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NOAA NATIONAL STATUS AND TRENDS

Mussel Watch Program Volume 2 - East Coast Site Descriptions

1995

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**VOLUME 2 - EAST COAST
SITE DESCRIPTIONS**

TABLE OF CONTENTS

	<u>Page</u>
Site Description Overview	1
Maine Site Descriptions	11
Massachusetts Site Descriptions	19
Rhode Island Site Descriptions	39
New York Site Descriptions	47
New Jersey Site Descriptions	53
Maryland Site Descriptions	65
Virginia Site Descriptions	79
North Carolina Site Descriptions	95
South Carolina Site Descriptions	107
Georgia Site Descriptions	109
Florida Site Descriptions	115
Appendix A - Field Station Data	A-1
Appendix B - Final Positions	B-1

LIST OF ILLUSTRATIONS

<u>Figure</u>	<u>FIGURES</u>	<u>Page</u>
1	Location of the East Coast Sites.....	2
2	Location of the Maine Sites	3
3	Location of the Massachusetts Sites	4
4	Location of the Rhode Island Sites	5
5	Location of the New York and New Jersey Sites.....	6
6	Location of the Delaware and Chesapeake Bay Sites.....	7
7	Location of the North Carolina Sites.....	8
8	Location of the South Carolina and Georgia Sites	9
9	Location of the Florida Sites	10

LIST OF SITES WITH MAPS, CHARTS AND PHOTOGRAPHS

<u>Site</u>	<u>Description</u>	<u>Page</u>
1	PBPI Pickering Island, Penobscot Bay, ME.....	11
2	PBSI Sears Island, Penobscot Bay, ME.....	13
3	MSSP Stover Point, Merriconeag Sound, ME.....	15
4	CAKP Kennebunkport, Cape Arundel, ME	17
5	CAGH Gap Head, Cape Ann, MA.....	19
6	SHFP Folger Point, Salem Harbor, MA.....	21
7	MBNB Nahant Bay, Massachusetts Bay, MA.....	23
8	BHDI Deer Island, Boston Harbor, MA.....	25
9	BHDB Dorchester Bay, Boston Harbor, MA.....	27
10	BHHB Hingham Bay, Boston Harbor, MA.....	29
11	BHBI Brewster Island, Boston Harbor, MA.....	31
12	MBNR North River, Massachusetts Bay, MA.....	33
13	DBCI Clarks Island, Duxbury Bay, MA.....	35
14	CCNH Nauset Harbor, Cape Cod, MA.....	37
21	NBDI Dyer Island, Narragansett Bay, RI.....	39
22	NBPI Patience Island, Narragansett Bay, RI.....	41
23	NBDU Dutch Island, Narragansett Bay, RI.....	43
24	BIBI Block Island, Block Island, RI	45
38	HRJB Jamaica Bay, Hudson Raritan Estuary, NY.....	47
39	HRUB Upper Bay, Hudson Raritan Estuary, NY.....	49
40	HRLB Lower Bay, Hudson Raritan Estuary, NY.....	51
41	HRRB Raritan Bay, Hudson Raritan Estuary, NJ	53
42	NYSH Sandy Hook, New York Bight, NJ.....	55
43	NYLB Long Branch, New York Bight, NJ.....	57
44	NYSR Shark River, New York Bight, NJ	59
47	DBCM Cape May, Delaware Bay, NJ.....	61
49	DBBD Ben Davis Point Shoal, Delaware Bay, NJ.....	63
54	DBCH Cape Henlopen, Delaware Bay, MD	65
55	CBBO Bodkin Point, Chesapeake Bay, MD	67
56	CBMP Mountain Point Bar, Chesapeake Bay, MD.....	69
57	CBHP Hackett Point Bar, Chesapeake Bay, MD	71
58	CBCP Choptank River, Chesapeake Bay, MD.....	73
59	CBHG Hog Point, Chesapeake Bay, MD	75
61	PRSP Swan Point, Potomac River, MD.....	77
60	PRRP Ragged Point, Potomac River, VA.....	79
62	PRMC Mattox Creek, Potomac River, VA.....	81
64	RRRR Ross Rock, Rappahannock River, VA.....	83
65	CBCI Chincoteague Inlet, Chincoteague Bay, VA.....	85
66	QIUB Upshur Bay, Quinby Inlet, VA.....	87
67	CBCC Cape Charles, Chesapeake Bay, VA	89
68	CBDP Dandy Point, Chesapeake Bay, VA	91
69	CBJR James River, Chesapeake Bay, VA.....	93
70	RSJC John Creek, Roanoke Sound, NC.....	95
71	PSCH Cape Hatteras, Pamlico Sound, NC	97
72	PSWB Wysocking Bay, Pamlico, NC.....	99

73	PSPR	Pungo River, Pamlico Sound, NC.....	101
74	PSNR	Neuse River, Pamlico Sound, NC.....	103
76	CFBI	Battery Island, Cape Fear, NC.....	105
78	SRNB	North Bay, Santee River, SC.....	107
81	SRTI	Tybee Island, Savannah River Estuary, GA.....	109
82	SSSI	Sapelo Island, Sapelo Sound, GA.....	111
83	ARWI	Wolfe Island, Altamaha River, GA.....	113
84	SJCB	Chicopit Bay, St. Johns River, FL.....	115
85	MRCB	Crescent Beach, Matanzas River, FL.....	117
86	IRSR	Sebastian River, Indian River, FL.....	119
87	NMML	Maule Lake, North Miami, FL.....	121
88	BBGC	Gould's Canal, Biscayne Bay, FL.....	123

SITE DESCRIPTION OVERVIEW

The location of the East Coast (Maine through Florida) NS&T Mussel Watch Program sampling sites are shown in Figures 1 through 9. Detailed descriptions for each of the individual sites are given in the following pages.

Each of the NS&T sites has a unique site number and designating code. The code is a four letter code, that is taken from the site's name and location, eg. PBPI - Pickering Island, Penobscot Bay. The nominal site center is calculated from the mean of the three station locations at each of the sites. GPS navigation units were used to record all the site locations. These figures are a great deal more accurate and stable than the old Loran C figures, and generally tend to coincide with the map locations. The site descriptions include information that will enable an individual to easily find the site, and the boat ramp if so necessary.

For each site, the following components are included:

- Detailed description
- Road map to the site
- Nautical chart of the site
- Photographs of the site. Photographs, when available, are arranged in a clockwise manner starting in the upper left hand corner with an aerial view and then Stations 1, 2 and 3, respectively.

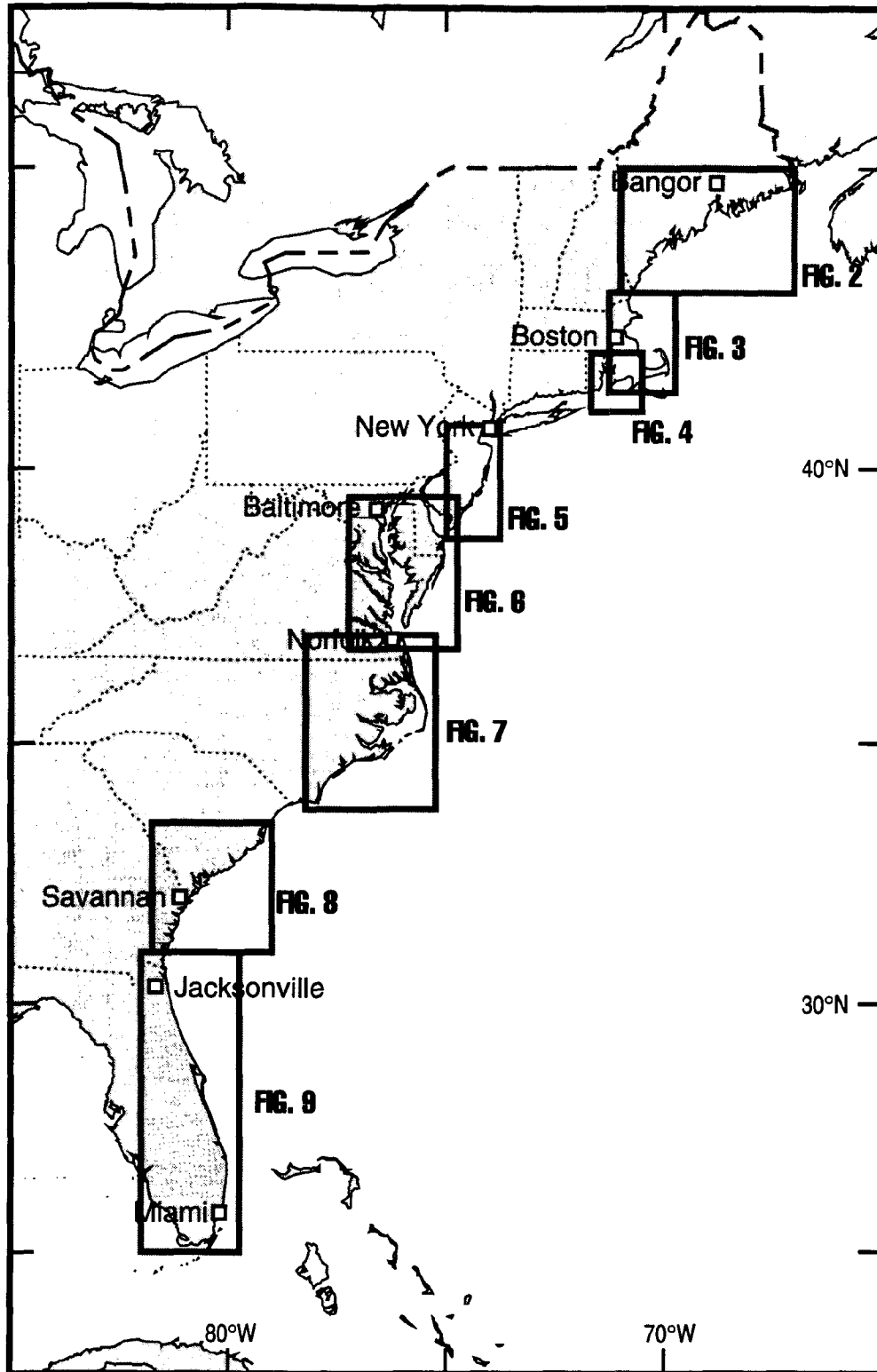


Figure 1. Location of the East Coast Sites.

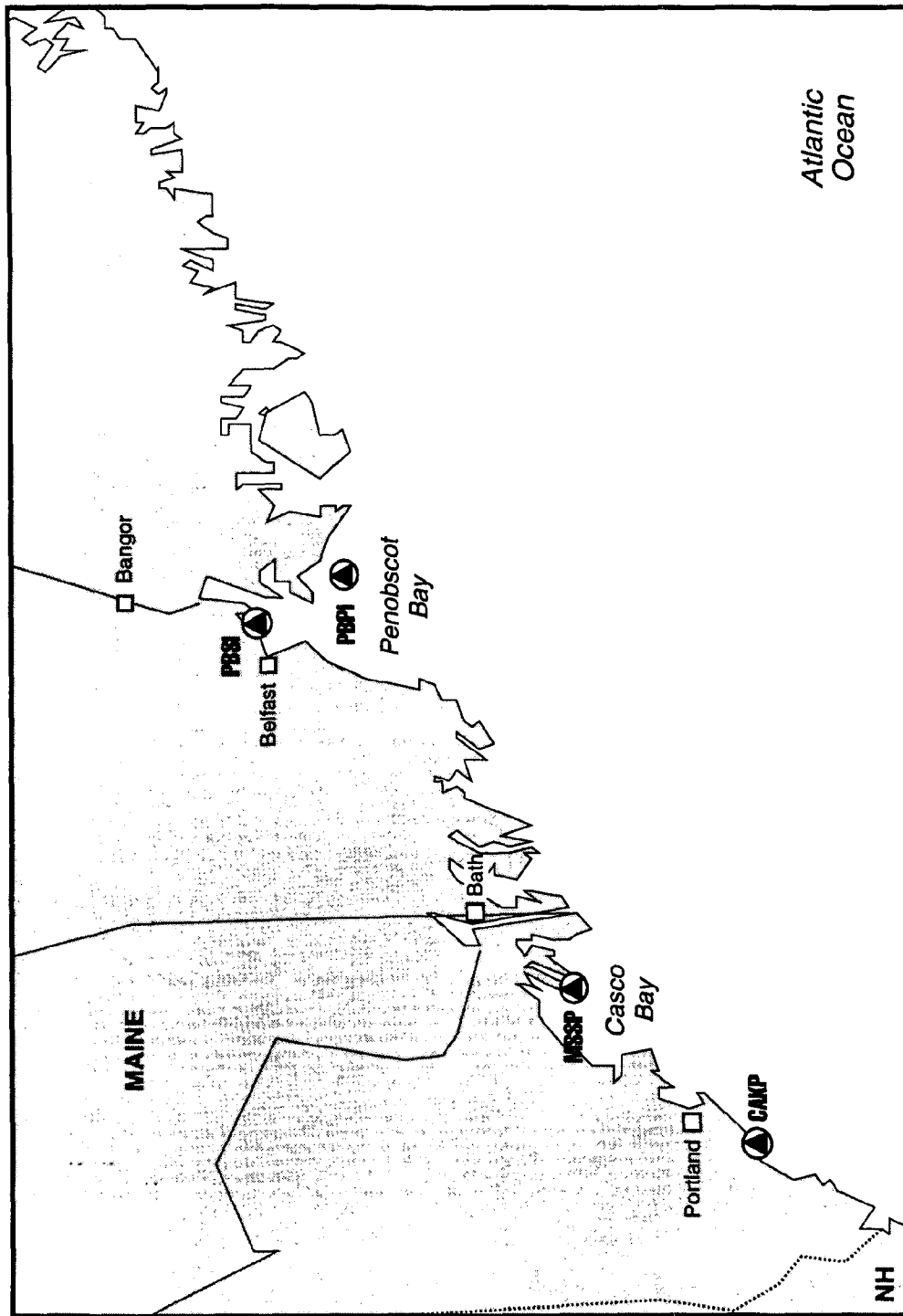


Figure 2. Location of the Maine Sites.

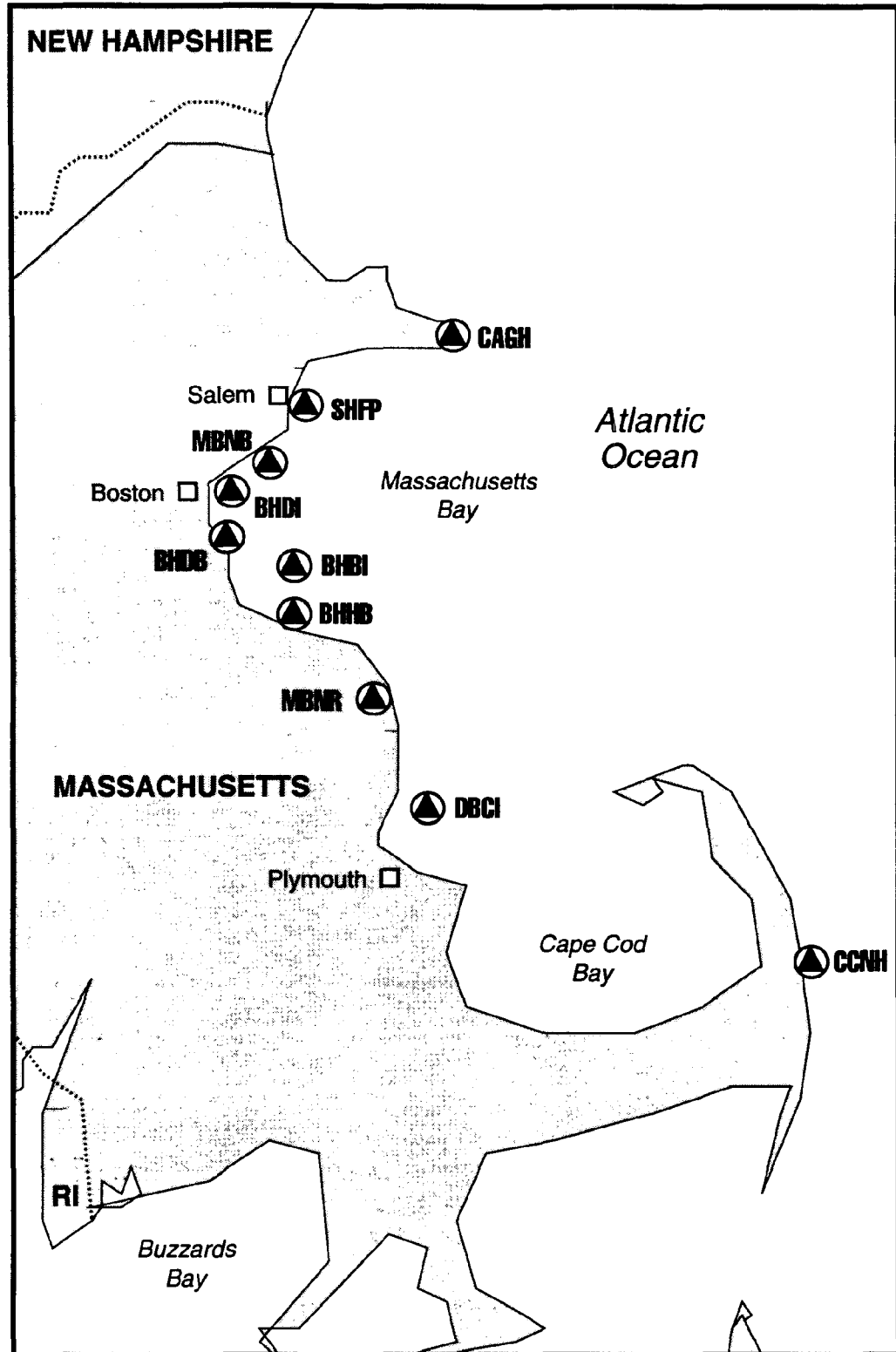


Figure 3. Location of the Massachusetts Sites.

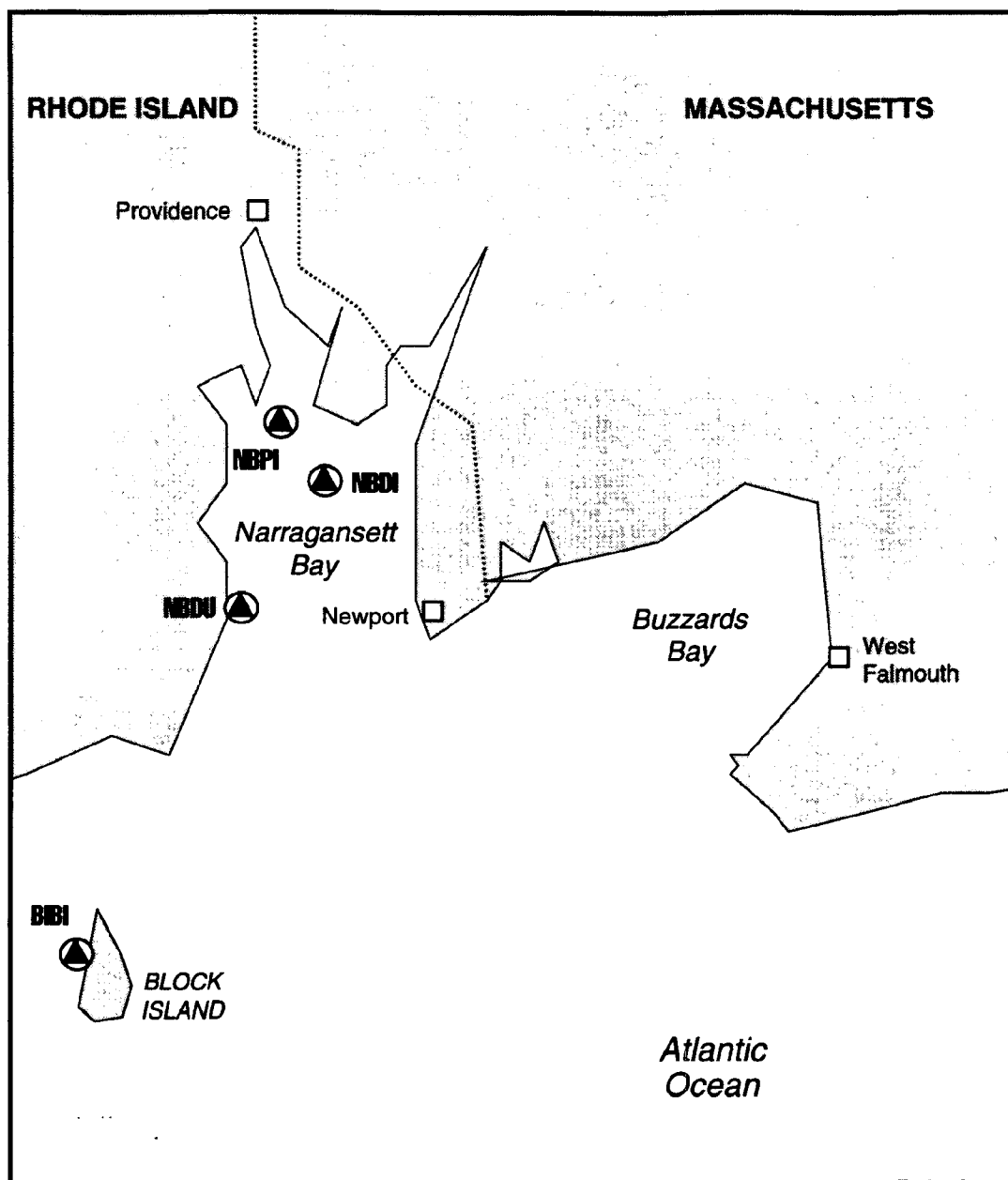


Figure 4. Location of the Rhode Island Sites.

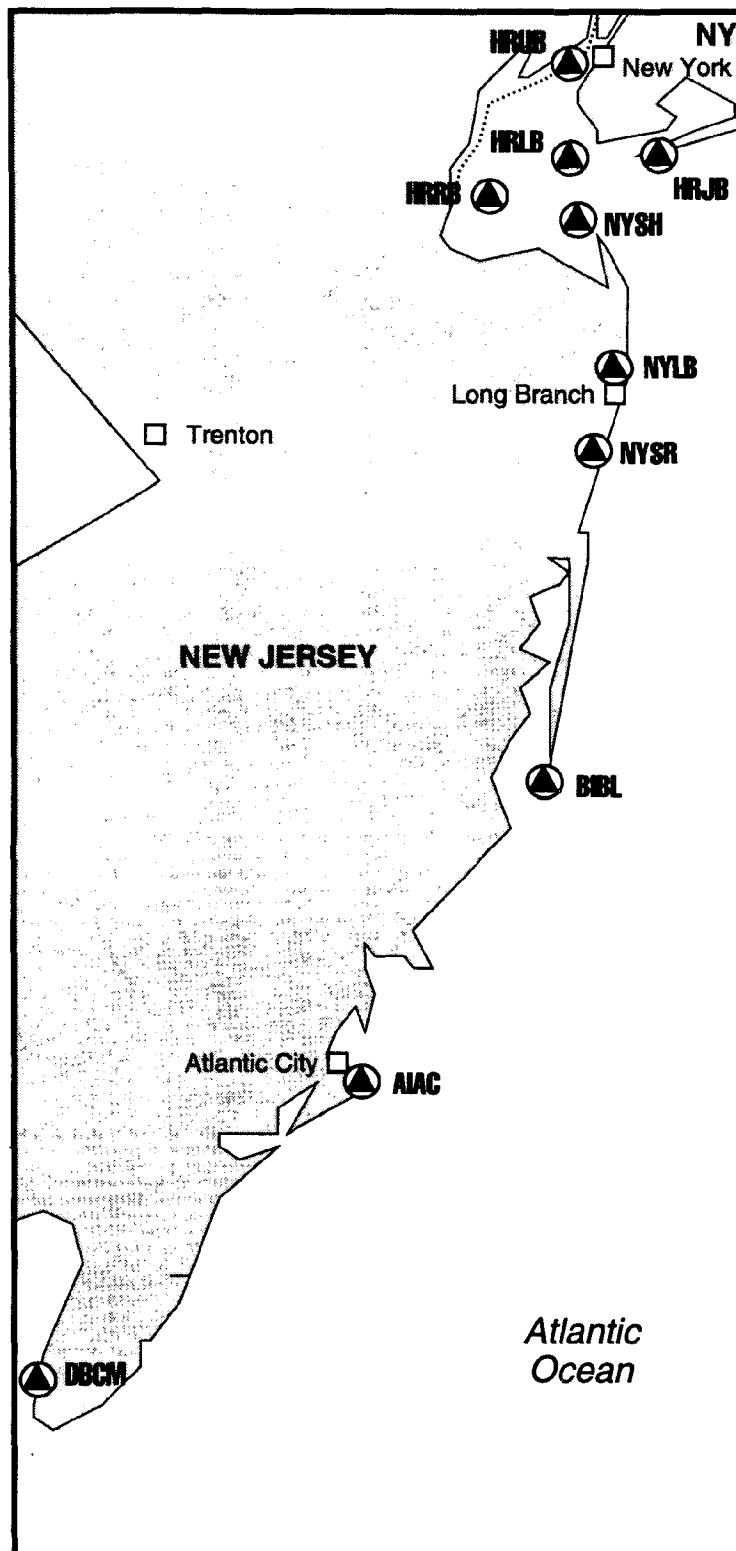


Figure 5. Location of the New Jersey Sites.

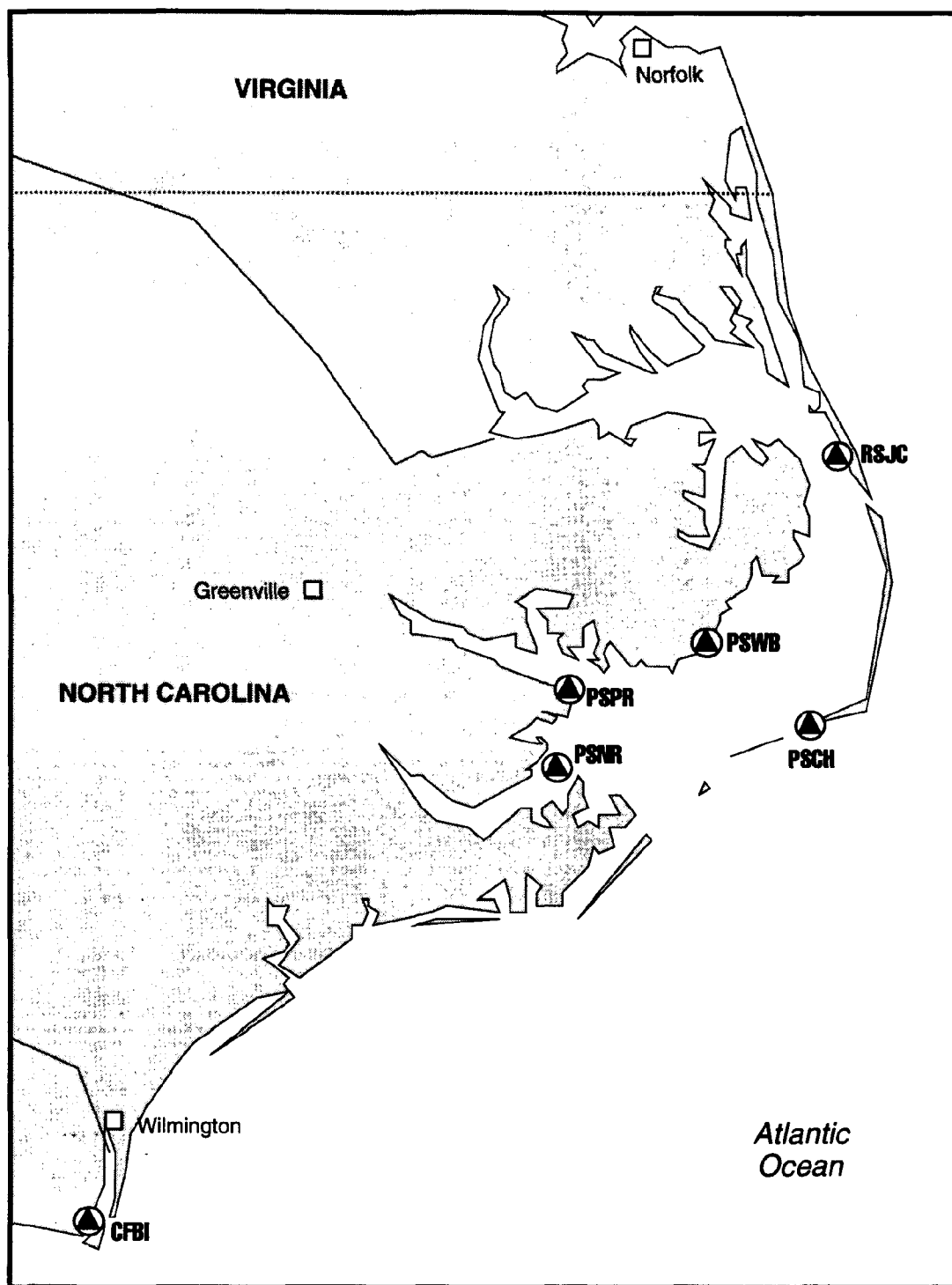


Figure 7. Location of the North Carolina Sites.

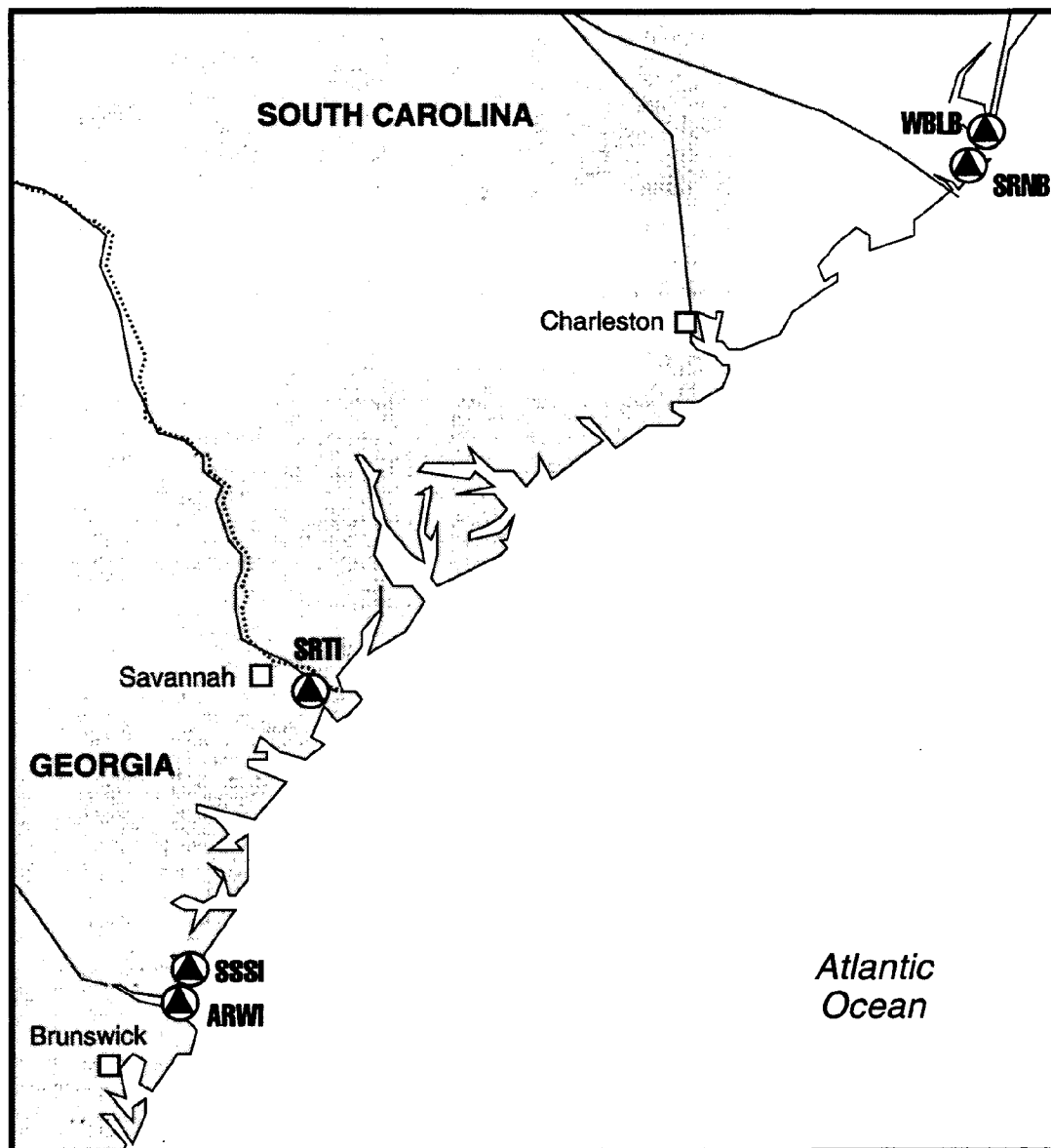


Figure 8. Location of the South Carolina and Georgia Sites.

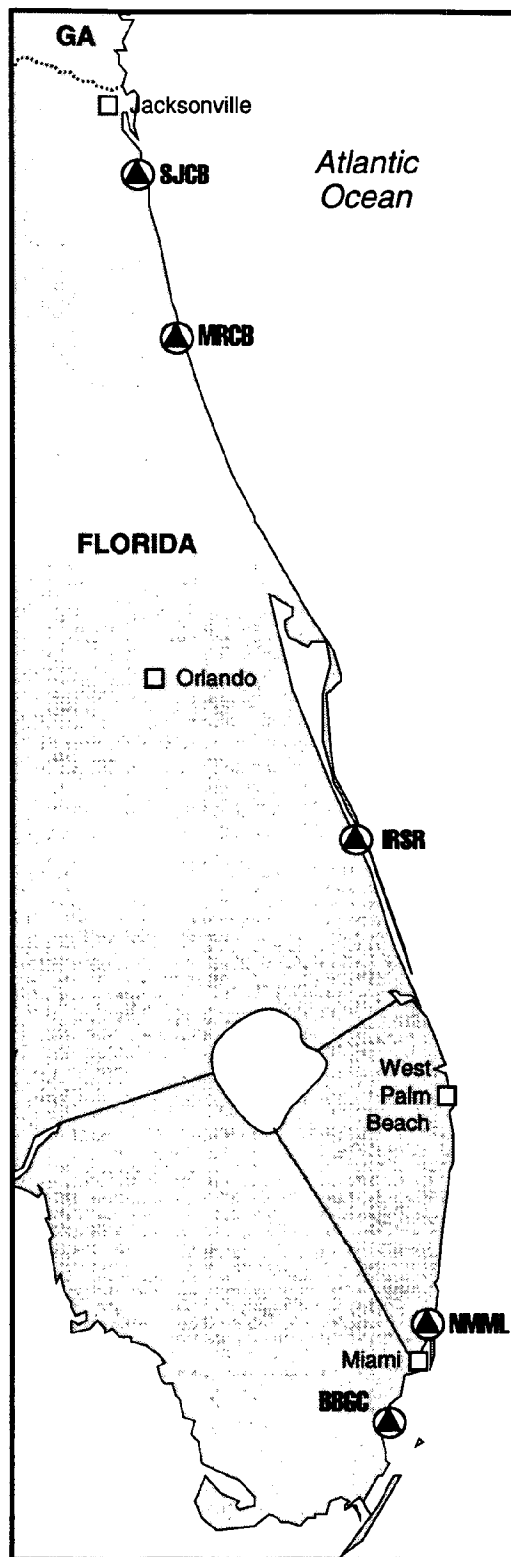


Figure 9. Location of the East Florida Sites.

MAINE SITES

GERG SITE NUMBER - 1

DESIGNATOR - PBPI

SITE - PICKERING ISLAND, PENOBSCOT BAY, ME

NOMINAL SITE CENTER - 44°15.89'N

LOCATED ON NOS CHART # - 13309

SITE ACCESS - A small boat is needed to access Pickering Island in northeast Penobscot Bay. The only workable ramp at low tide in the entire Deer Island area, is a privately owned stone ramp in Stonington. Follow US 1 east and then head south to Stonington on Hwy. 15. The contact person is a Mr. Pete Collins, of the Lobster Company. From here, head west by boat down the Deer Island Thorofare and out into Penobscot Bay, then north to Pickering Island. The run time is around 30 minutes.

SITE DESCRIPTION - The site is located in a small cove on the northeast corner of Pickering Island, just south of and opposite Eaton Island. The stations are located in an arc around the cove, with Station 1 being in the middle, Station 2 about 25 meters to the east (left) and Station 3 about 25 meters to the west (right).

BIVALVE COLLECTIONS

1995 The whole area is covered with a heavy growth of Blue Mussels. The site is easily collected at low tide, when the mussels can be picked off the rocks by hand. Dredging would not be an advisable option here, as the bottom is very rocky.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. There could be some potential contamination from outflow from the Penobscot River, further to the north.

ENVIRONMENTAL DATA

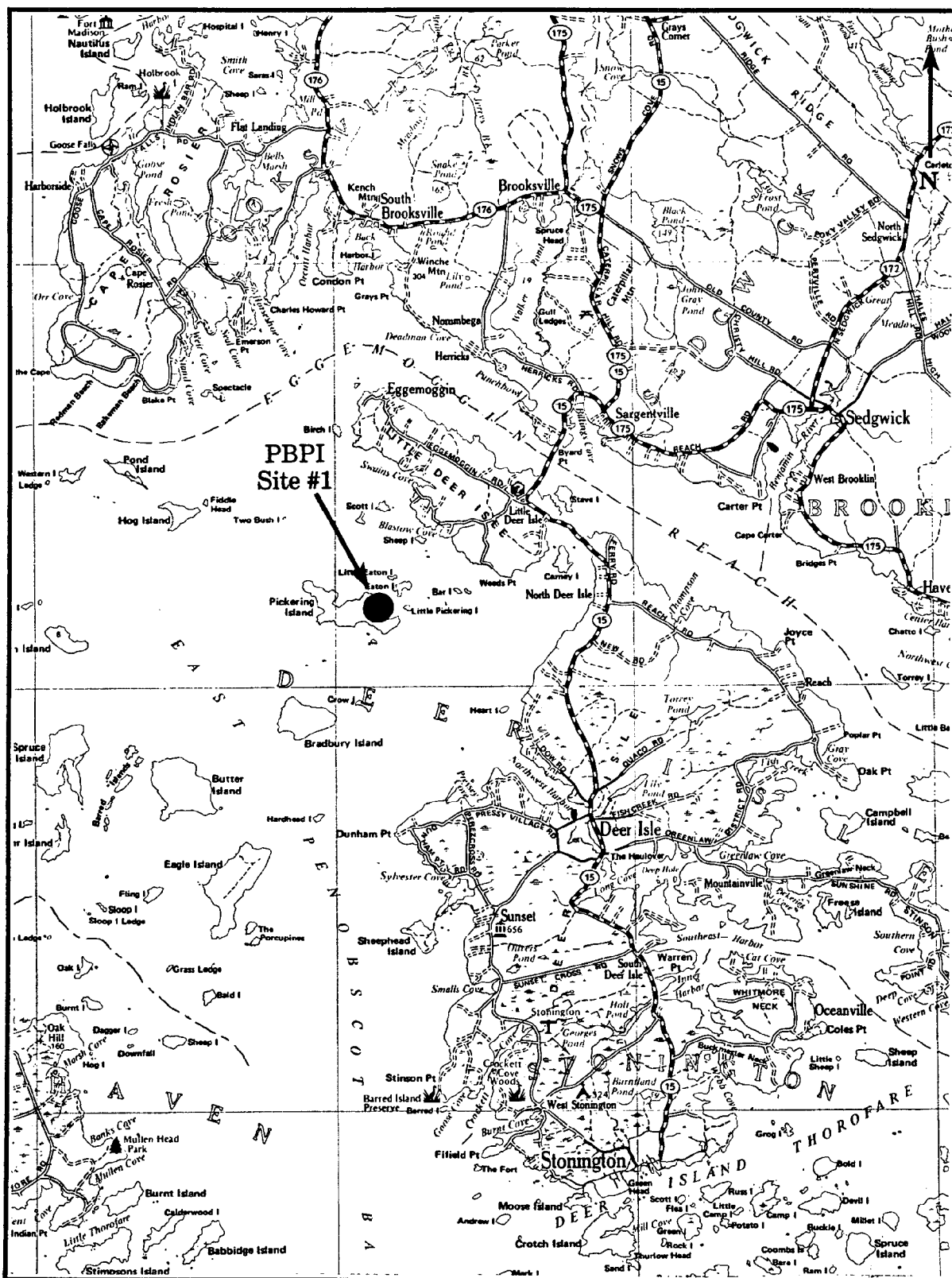
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
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1995

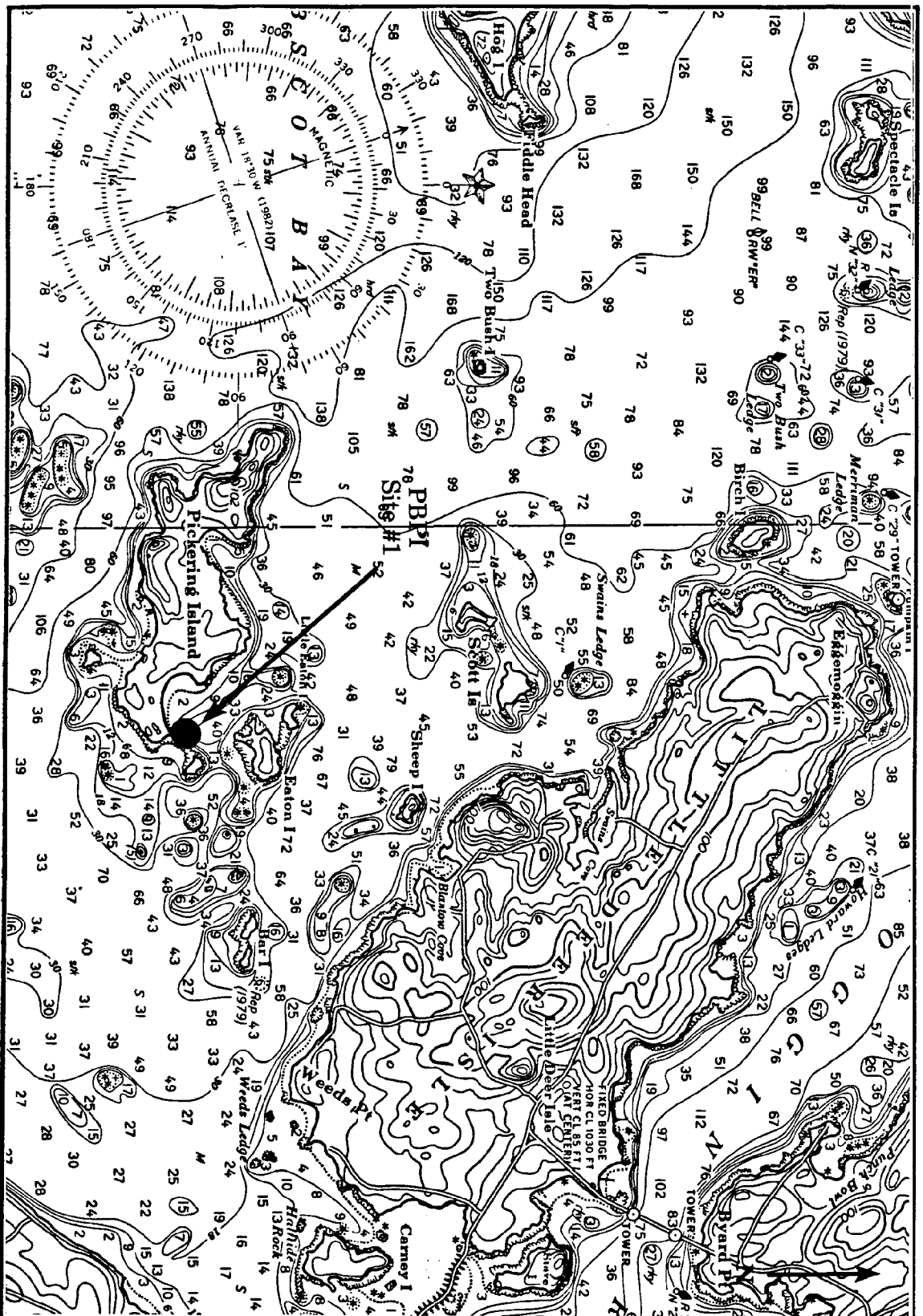
30.0

3.0

3/21/95



Site #1 (PBPI), Penobscot Bay Pickering Island.



Site #1 (PBP), Penobscot Bay Pickering Island (from chart 13305).



Site #1 (PBPI), Penobscot Bay Pickering Island



GERG SITE NUMBER - 2

DESIGNATOR - PBSI

SITE - SEARS ISLAND, PENOBSCOT BAY, ME

NOMINAL SITE CENTER - 44°27.40'N 68°52.99'W

LOCATED ON NOS CHART # - 13309

SITE ACCESS - This site is a relatively easy one at low tide, being accessible on foot. Head east from Searsport on US Hwy. 1, and travel for 2 miles past the Belfast Motor Inn (on your right) and over the Long Cove bridge, turn right (south) onto the road leading to Kidder Point and Sears Island. Cross over the bridge and park on the southwest side.

SITE DESCRIPTION - The site is located just to the west of the south end of the bridge, on the extensive mudflat. Station 1 is about 100 meters west of the south side road causeway, Station 2 is 50 meters north of Station 1 and Station 3 is a further 50 meters to the north. This site is to be worked at low tide, as a dredge would snag and hang up on the numerous rocks in the area.

BIVALVE COLLECTIONS

1995 The whole area was covered with a dense population of mussels.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

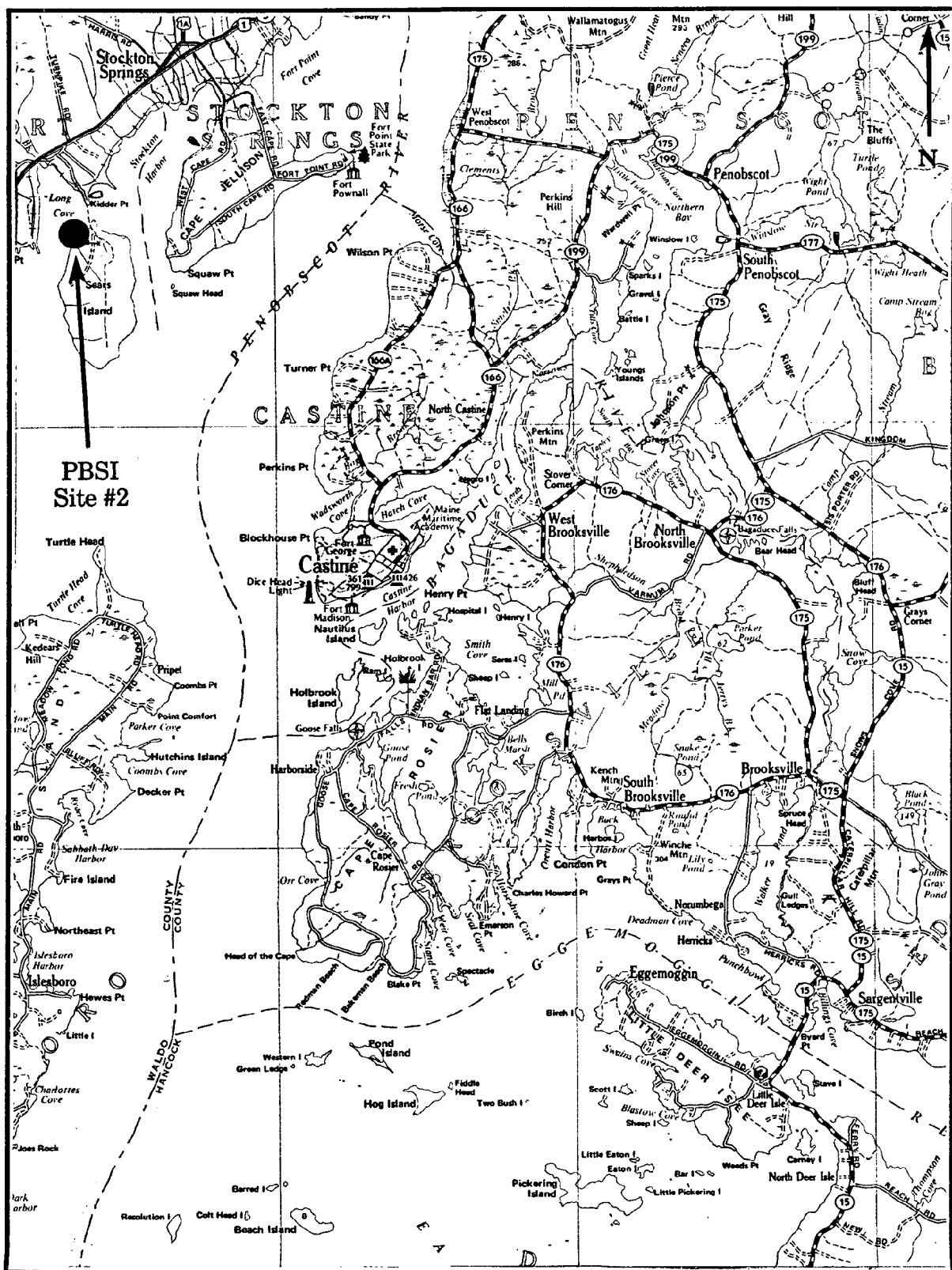
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

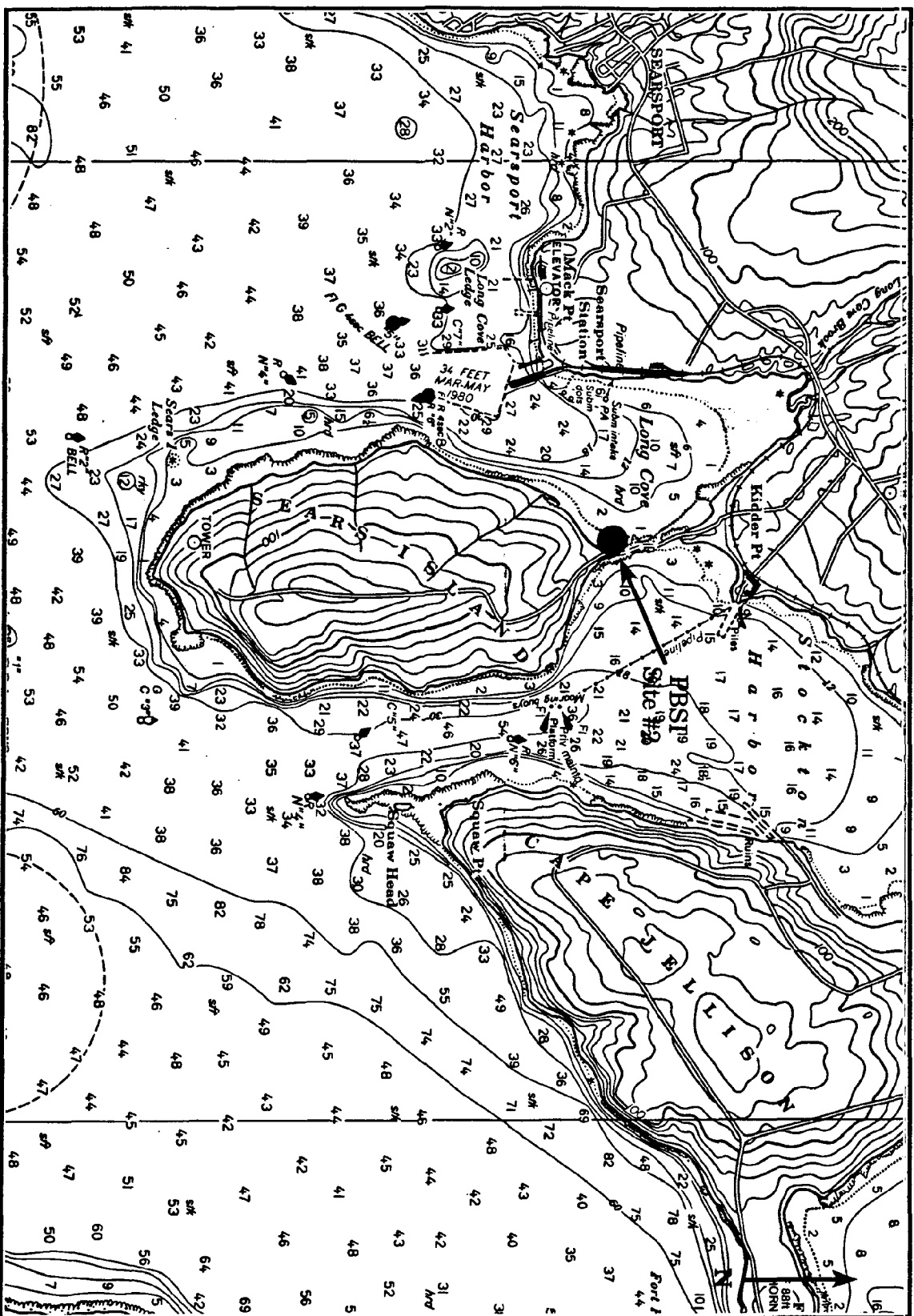
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area, apart from the Searsport Station bulk fuel dock just to the west of the site. There is also the potential for contamination from the Penobscot River outflow, to the east of the site.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	21.0	3.0	3/20/95



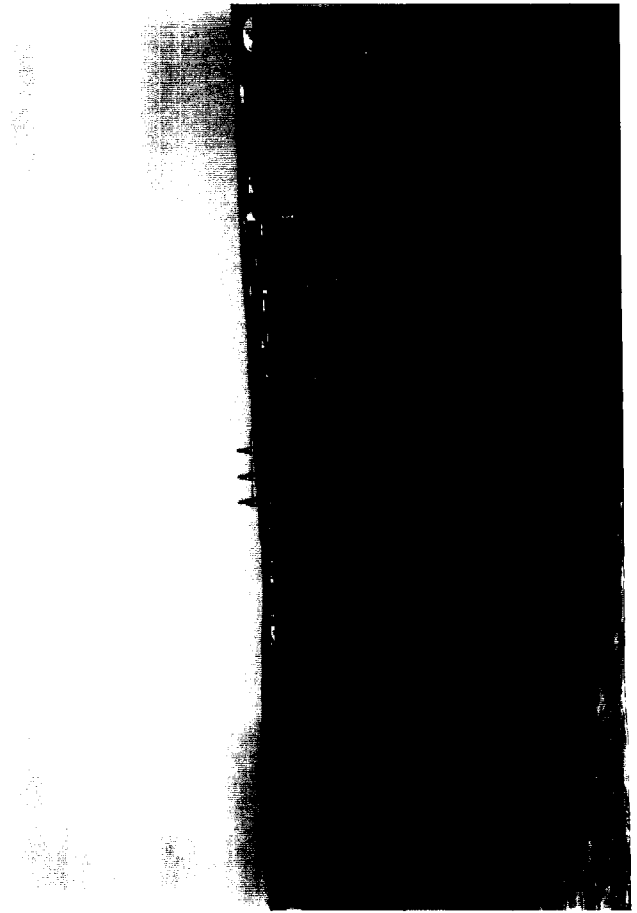
Site #2 (PBSI), Penobscot Bay Sears Island.



Site #2 (PBSI), Penobscot Bay Sears Island (from chart 13309).



Site #2 (PBSI), Penobscot Bay Sears Island



GERG SITE NUMBER - 3

DESIGNATOR - MSSP

SITE - STOVER POINT, MERRICONEAG SOUND, ME

NOMINAL SITE CENTER - 43°45.47'N 69°59.86'W

LOCATED ON NOS CHART # - 13290

SITE ACCESS - This site can be easily accessed by vehicle, and is best sampled at low tide. From US Hwy. 1, turn right (south) onto Hwy 123 and travel about 12 miles south to the Harpswell Neck Fire Station (on the right hand side of the road). From here, go on for another 1.2 miles and turn left onto Stover Cove Road, then right onto Stover Point Road. Follow the road for about half a mile to Stover Point.

SITE DESCRIPTION - The site is located on a spit at Stover Point in Harpswell Sound, just opposite the C "5" green can buoy at the northernmost tip. Station 1 is at the northernmost tip on the east side of the spit, Station 2 is 30 meters further south with Station 3 being an additional 30 meters to the south.

BIVALVE COLLECTIONS

1995 Mussels of all sizes are abundant throughout the entire area. It would not be a good idea to dredge for the mussels, as there are numerous large rocks that would snag the dredge.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

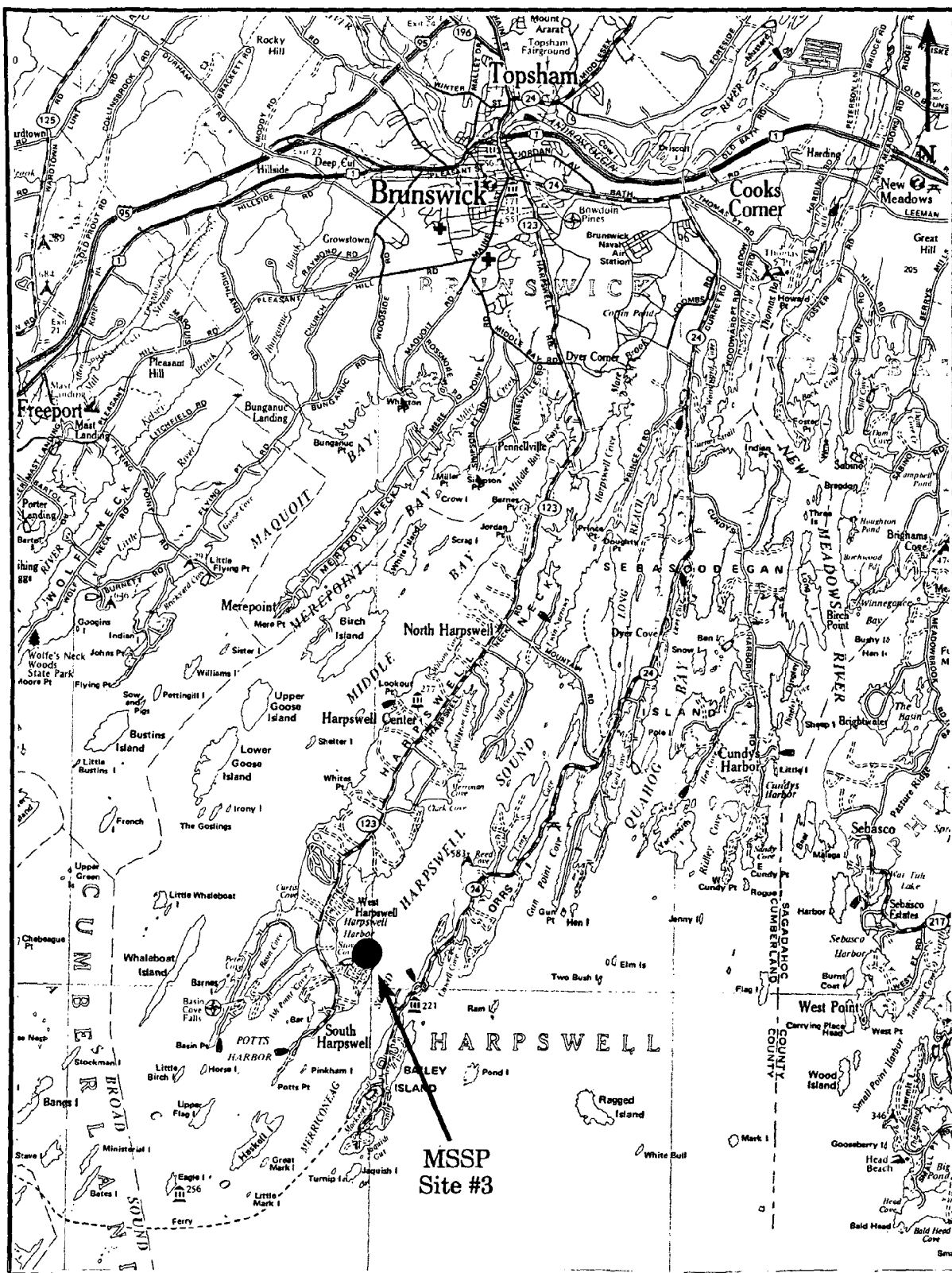
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. The potential for contamination is there, as there were a few oil storage tanks further to the north, a large Naval Airbase and the outflow from the New Meadows River.

ENVIRONMENTAL DATA

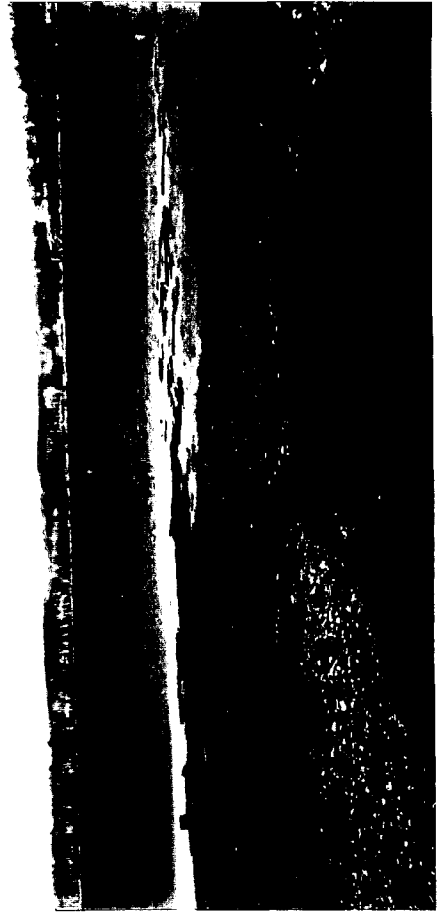
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	6.0	3/19/95



Site #3 (MSSP), Merriconeag Sound Stover Point.



Site #3 (MSSP), Merriconeag Sound Stover Point



GERG SITE NUMBER - 4

DESIGNATOR - CAKP

SITE - KENNEBUNKPORT, CAPE ARUNDEL, ME

NOMINAL SITE CENTER - 43°20.72'N 70°28.46'W

LOCATED ON NOS CHART # - 13286

SITE ACCESS - This site is accessible by vehicle, and can only be sampled at low tide. From I-95 going north into Maine, take exit 3 and head towards Kennebunkport on Hwy. 35 (south). Drive into Kennebunkport and over the Kennebunk River, then turn right onto Ocean Ave. in the town square. Follow Ocean Ave. to the parking lot at the mouth of the river (on the right hand side of the road).

SITE DESCRIPTION - The eastern breakwater on the Kennebunk River forms a small cove in the shoreline. The nominal center of the site is here, with Station 1 being on the east side of the eastern breakwater, Station 2 being on the rocks in the middle of the cove and Station 3 being located on the rocks on the eastern side of the cove.

BIVALVE COLLECTIONS

1995 Mussels were very sparse at Stations 1 & 2, whilst there was a good population at the 3rd Station. The mussels were attached to the underside of the rocks and in the numerous crevices.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

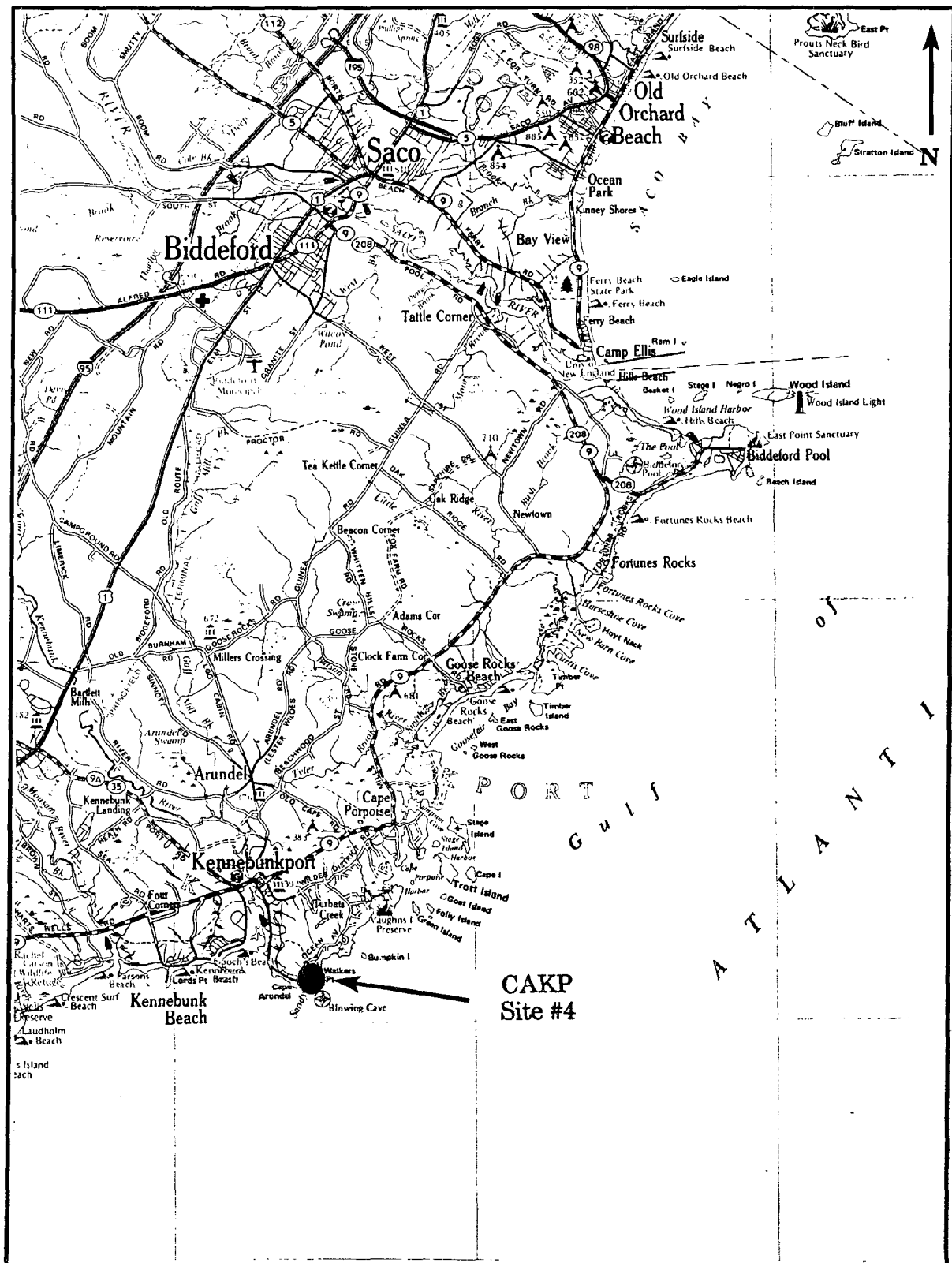
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. There is the potential for contamination from outflow from the Kennebunk River.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	6.0	3/18/95



Site #4 (CAKP), Cape Arundel Kennebunkport.



Site #4 (CAKP), Cape Arundel Kennebunkport



MASSACHUSETTS SITES

GERG SITE NUMBER - 5

DESIGNATOR - CAGH

SITE - GAP HEAD, CAPE ANN, MA

NOMINAL SITE CENTER - 42°39.46'N 70°35.84'W

LOCATED ON NOS CHART # - 13279

SITE ACCESS - This site is best sampled at an extremely low tide. From I-95, take the Hwy. 128 exit and go north towards Gloucester. At the Blackburn Rotary (circle) take the Gloucester-Rockport exit, and then turn left at the second set of lights which take one onto Bass Ave. Follow the road for about a mile to Amelia's Sub-Shop and then proceed left for another 1.7 miles to Thatcher. Turn left here and follow the road as it bears left into South Street for an additional 0.8 miles to Marmon Street. Turn right onto Marmon and the site is another 0.5 miles down the road.

SITE DESCRIPTION - The site is located in a small cove just south of Gap Head, and west of Straitmouth Island. A short distance to the northwest there is a radio tower which is a good reference point.

BIVALVE COLLECTIONS

1995 No stations were differentiated as there were very few mussels to be found in the entire cove. Only one small patch of mussels was found after an extensive search.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

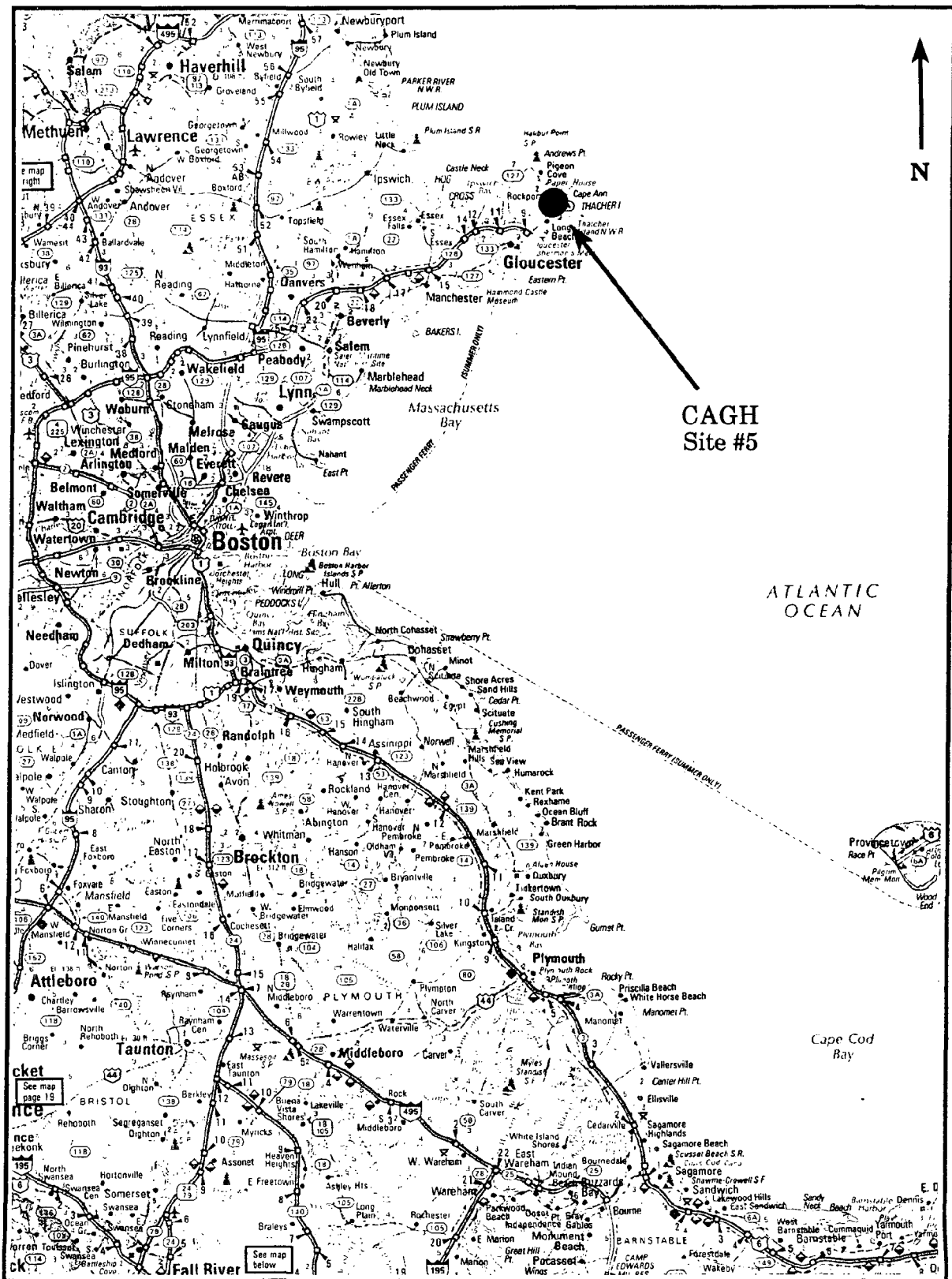
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

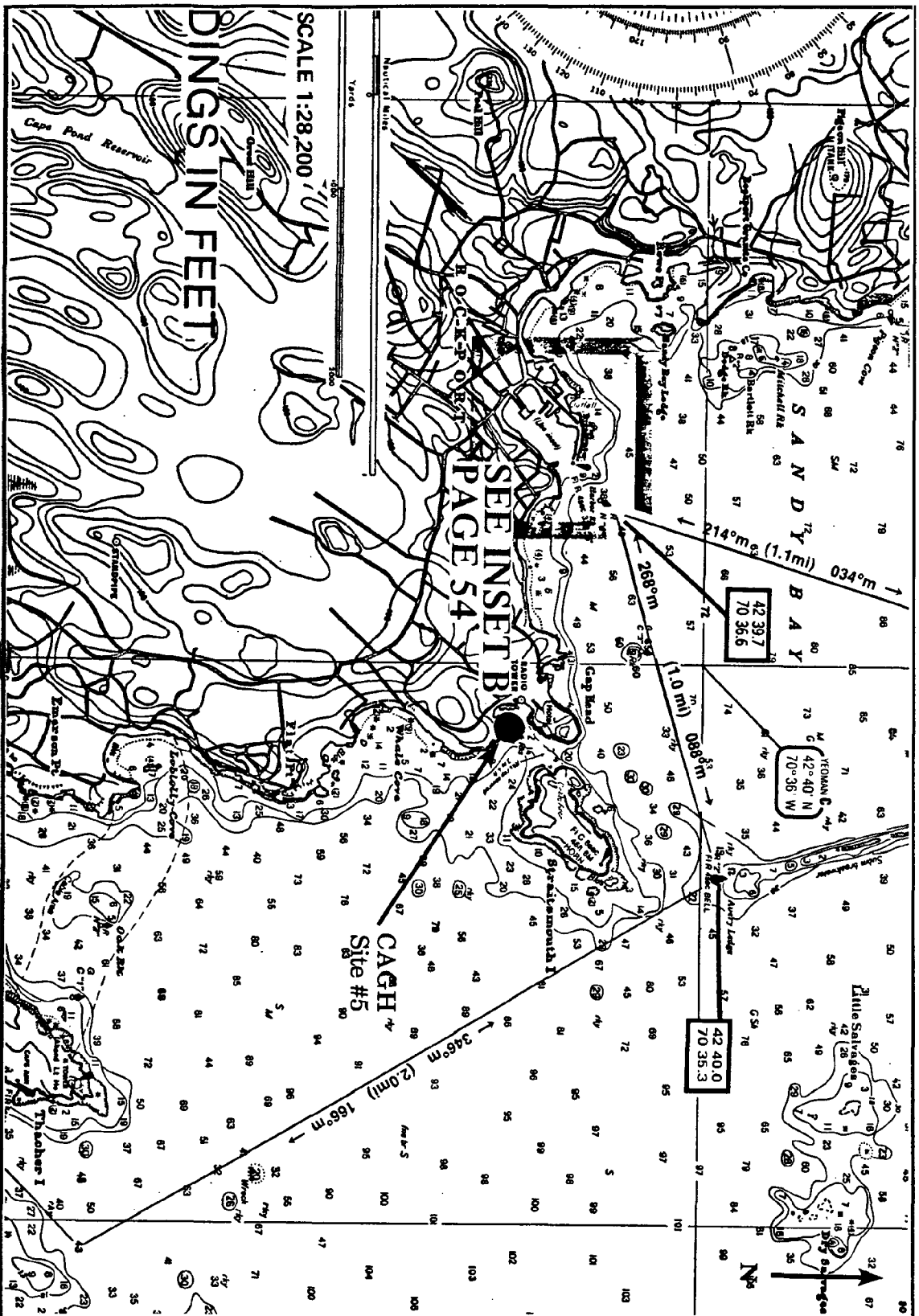
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	3.0	3/18/95



Site #5 (CAGH), Cape Ann Gap Head.



Site #5 (CAGH, Cape Ann Gap Head (from chart 13279)).



Site #5 (CAGH, Cape Ann Gap Head



GERG SITE NUMBER - 66

DESIGNATOR - SHFP

SITE - FOLGER POINT, SALEM HARBOR, MA

NOMINAL SITE CENTER - 42°30.81'N 70°50.65'W

LOCATED ON NOS CHART # - 13274

SITE ACCESS - Access to this site is gained by foot, and it can only be sampled at low tide. Follow Hwy. 1A from Boston north towards Salem, and take the Hwy. 114 exit heading east (to the right). Follow the road for 1.1 miles to a set of lights, and turn left onto Westshore. After 2.4 miles this road turns into and becomes Beacon Street. Follow Beacon Street to the second small cove on the left.

SITE DESCRIPTION - The site is located in a small cove on the Marblehead Peninsular. Station 1 is on the right hand side of the cove at the rock - mudflat interface, Station 2 is in the middle of the mudflat and Station 3 is on the left hand side of the cove on the rocks.

BIVALVE COLLECTIONS

1995 There was an abundance of mussels of all sizes throughout the entire area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

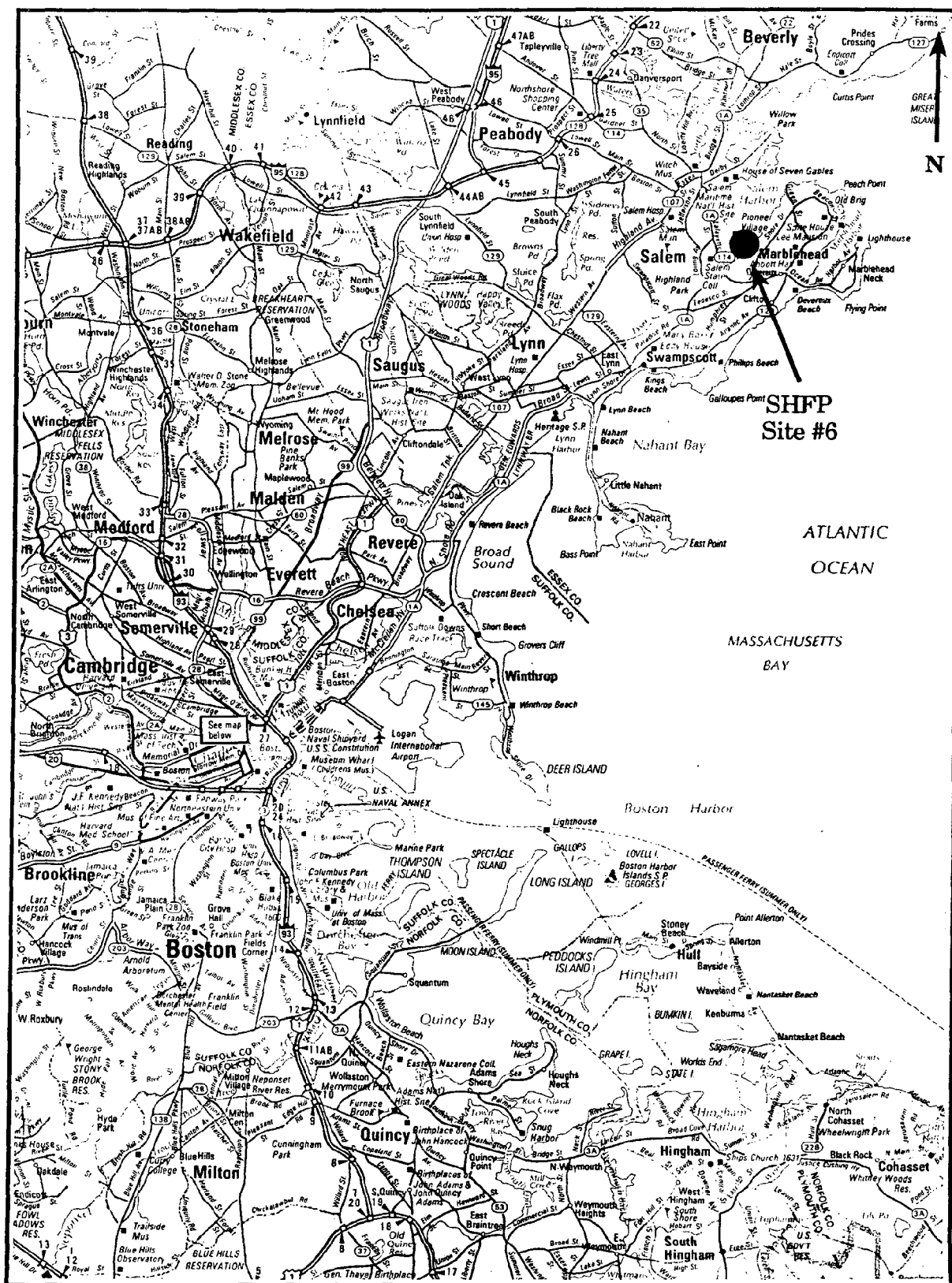
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

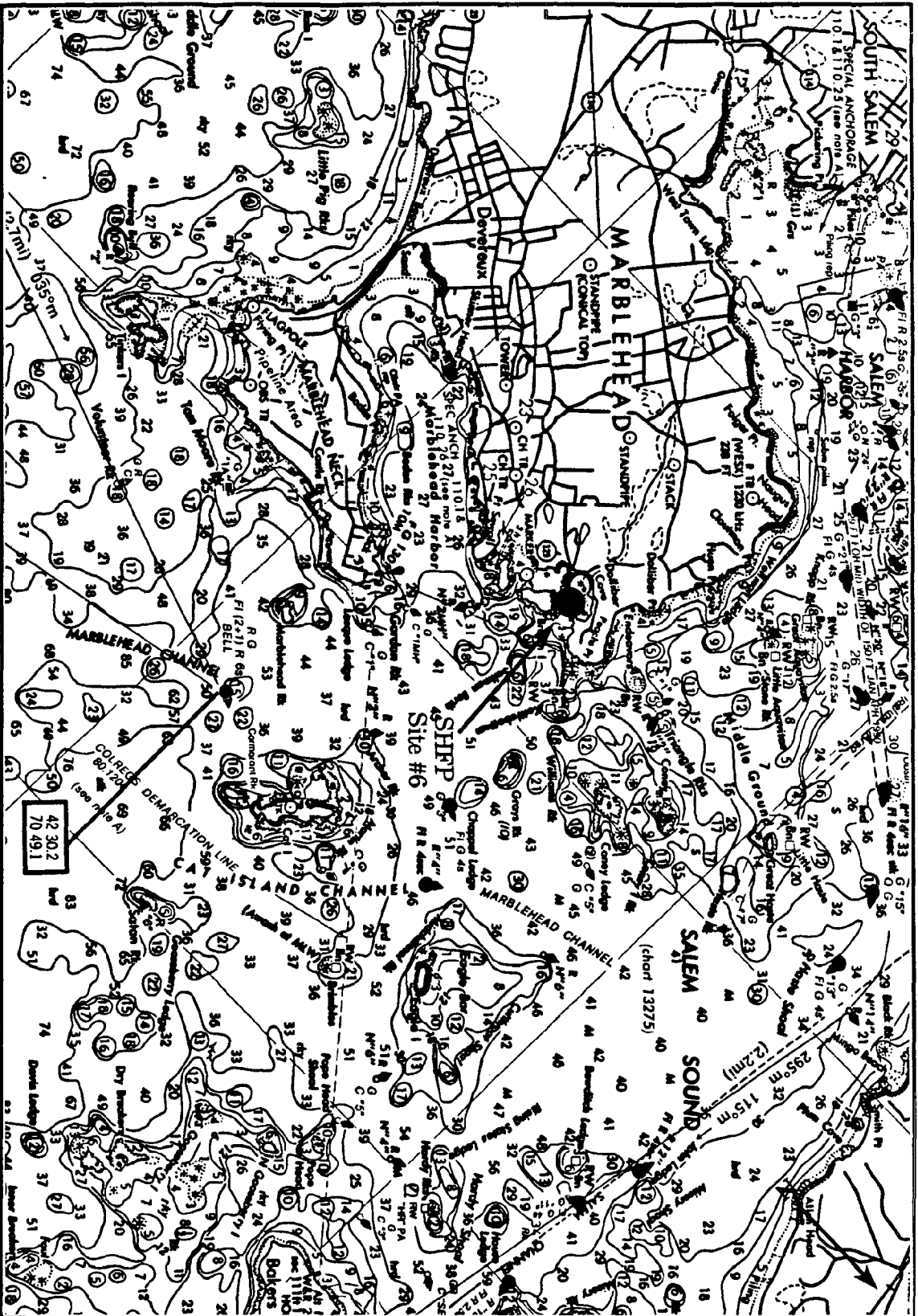
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area of the cove. The site is in the middle of a built up area with all of the associated industries and a small harbor. There is also a small boat repair yard in the cove that could add to the contaminants.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	2.0	5.0	3/17/95



Site #6 (SHFP), Salem Harbor Folger Point.



Site #6 (SHFP), Salem Harbor Folger Point (from chart 13276).



Site #6 (SHFP), Salem Harbor Folger Point



GERG SITE NUMBER - 7

DESIGNATOR -MBNB

SITE - NAHANT BAY, MASSACHUSETTS BAY, MA

NOMINAL SITE CENTER - 42°25.19'N 70°54.43'W

LOCATED ON NOS CHART # - 13275

SITE ACCESS - This site is easily accessed by foot at low tide. Follow Nahant Road out to the end of the Nahant Peninsular, where there is an old "Nike" missile base/bunker. There is now a N.E. University Marine Science Center there. The site is to the left of the carpark at the end of the road, on Canoe Beach - which is just to the south of Castle Rock.

SITE DESCRIPTION - The nominal center of site is located on Canoe Beach, which is monitored by the Research Center. Let the researchers in the Center know that you are going to collect mussels, and why you are doing so! Station 1 is on the south side of the beach on the rocks in the intertidal zone, Station 2 is 20 meters further to the north and Station 3 is on the northern side of the beach.

BIVALVE COLLECTIONS

1995 There were a large number of small mussels at the low water mark, attached to the underside and in the rock crevices.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

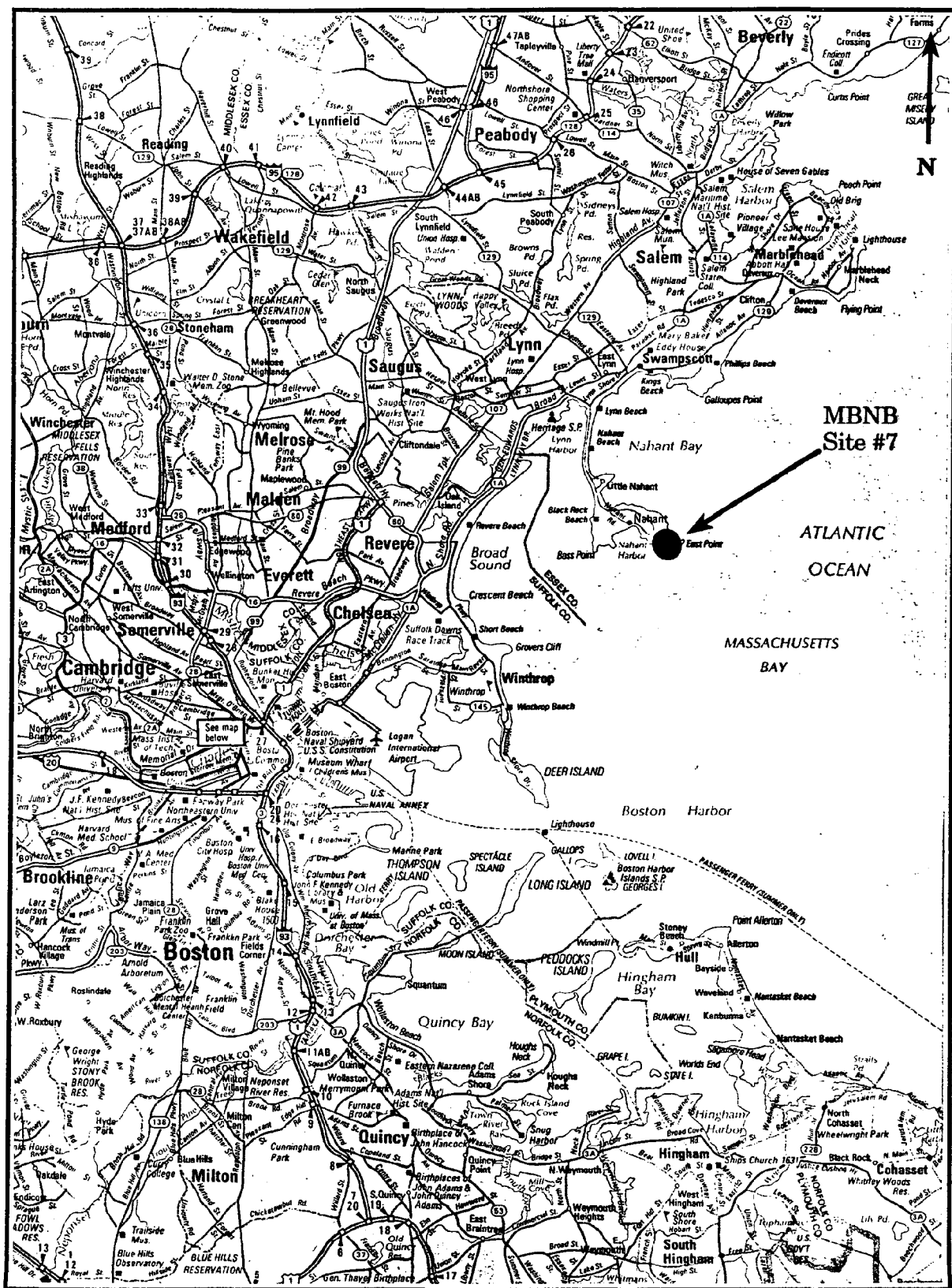
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

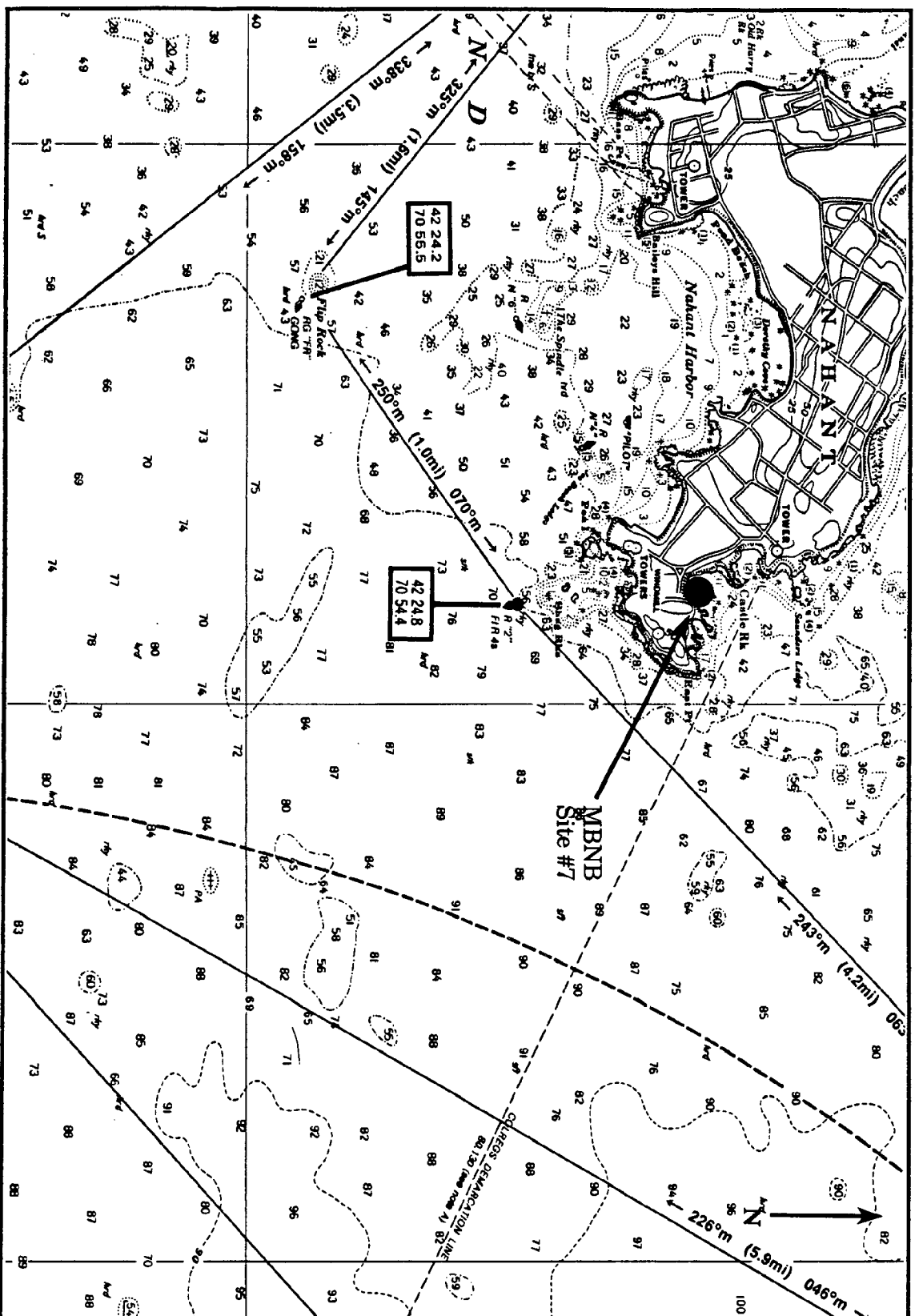
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	32.0	5.0	3/17/95



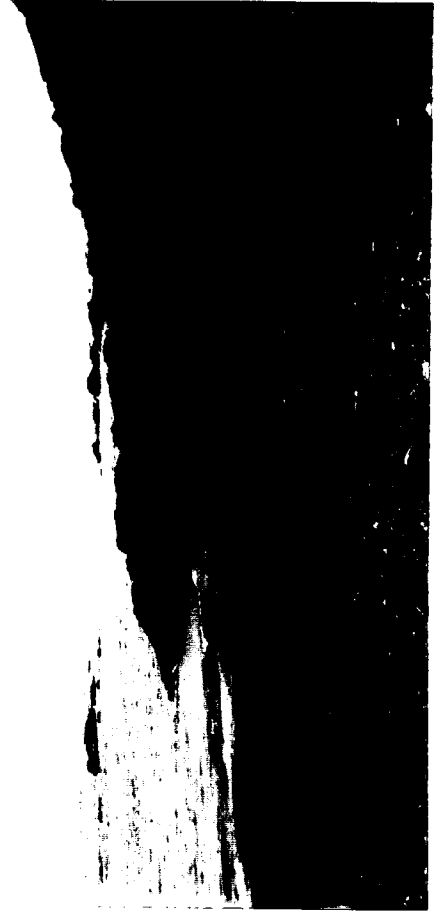
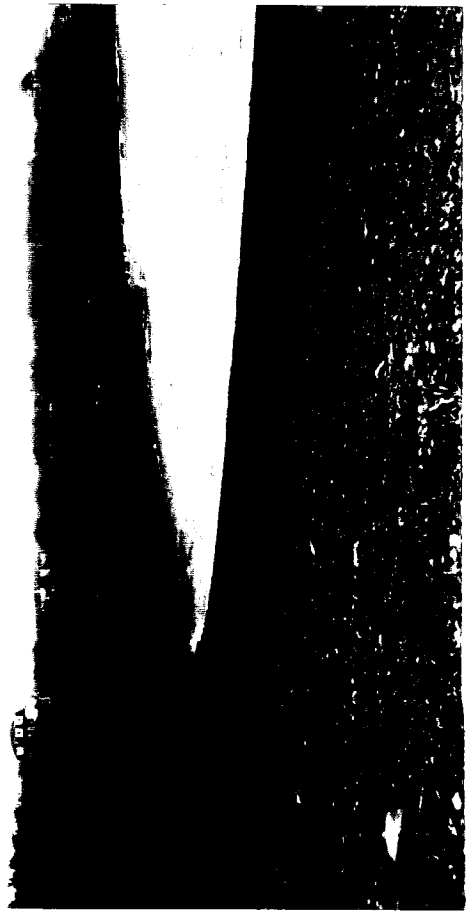
Site #7 (MBNB), Massachusetts Bay Nahant Bay.



Site #7 (MBNB), Massachusetts Bay Nahant Bay (from chart 13272).



Site #7 (MBNB), Massachusetts Bay Nahant Bay



GERG SITE NUMBER - 8

DESIGNATOR -BHDI

SITE - DEER ISLAND, BOSTON HARBOR, MA

NOMINAL SITE CENTER - 42°21.44'N 70°58.38'W

LOCATED ON NOS CHART # - 13270

SITE ACCESS - This site is on the Deer Island shoreline, and is easily accessed by foot at low tide. From I-93 in Boston, head north and take exit #24 onto Hwy. 1A going north towards the Callahan Tunnel and Logan Airport. Turn right onto Hwy. 145 and drive towards Chelsea/Winthrop. Turn right onto Saratoga and right again onto Pleasant and drive into Winthrop (you are still on Hwy. 145). At the stop sign in Winthrop, turn right and drive past the Winthrop Yacht Club and out to Deer Island. There is a good public boat ramp just past the Yacht Club. The road, once on Deer Island, bears to the left, then take the second turn to the right onto Otis (the street sign is missing). The site is at the end of Otis Street at the seawall.

SITE DESCRIPTION - The nominal site center is located around an old pier structure, of which only the wooden pilings remain. Station 1 is 50 meters to the northwest of the old pilings, next to an old wooden side walk. Station 2 is around the wooden pilings and Station 3 is 50 meters to the southeast of Station 1 at another set of pilings.

BIVALVE COLLECTIONS

1995 The entire area was covered with mussels of all sizes, growing on the pebble beach, rocks and pilings.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

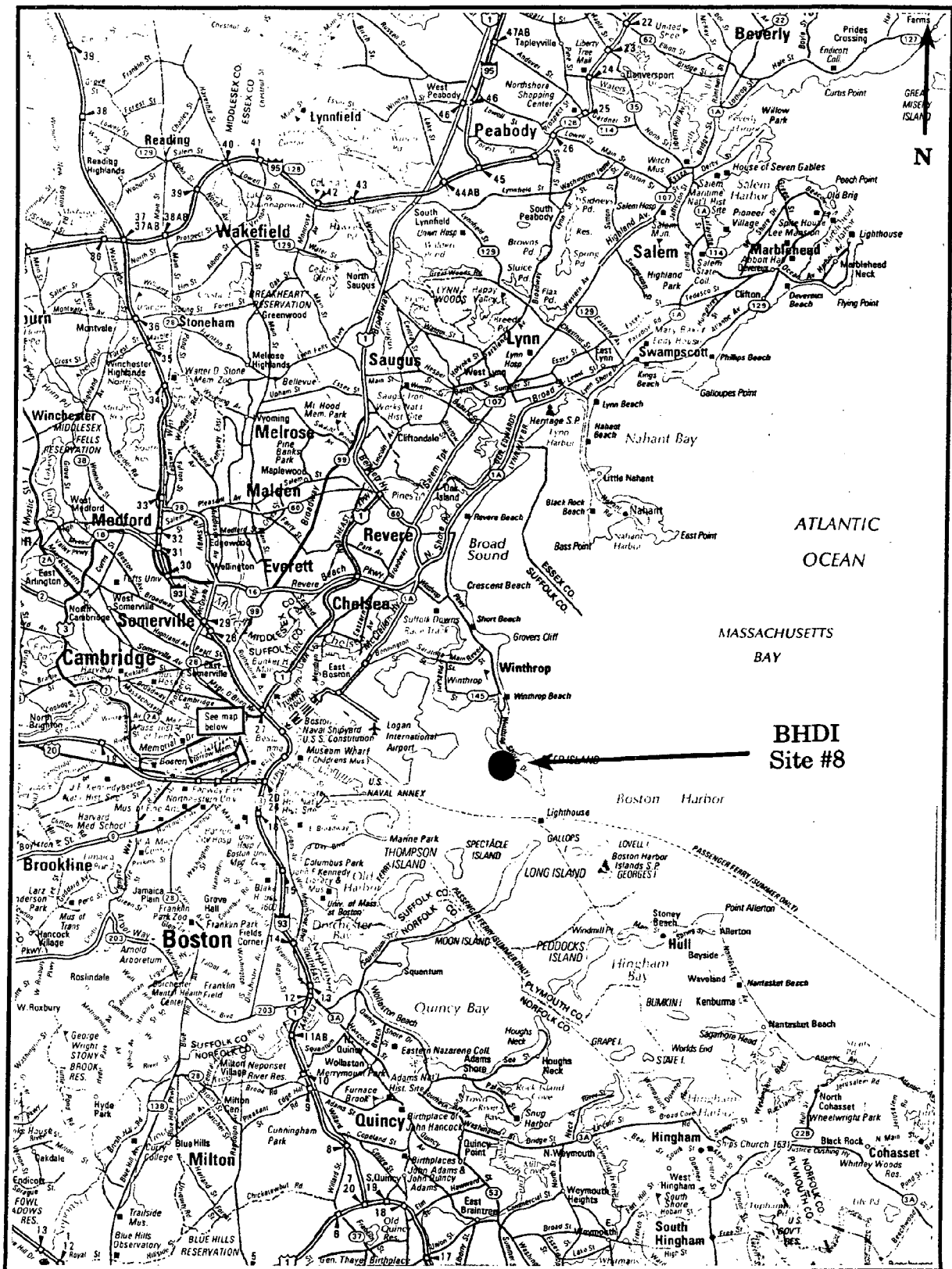
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. One has to take into consideration that Deer Island is right in the middle of Boston Harbor, so that there are all sorts of potential sources for contamination.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	5.0	3/14/95



Site #8 (BHD), Boston Harbor Deer Island.



Site #8 (BHDI), Boston Harbor Deer Island



GERG SITE NUMBER - 9

DESIGNATOR -BHDB

SITE - DORCHESTER BAY, BOSTON HARBOR, MA

NOMINAL SITE CENTER - 42°18.13'N 70°02.18'W

LOCATED ON NOS CHART # - 13270

SITE ACCESS - This site is easily sampled at low tide, with only a short walk from the car park to get to the mudflat. Take the #12 exit off I-93, and head south down Hwy. 3A towards Quincy. At the lights, turn left onto Squantum Road and drive to the entrance into Marina Bay. Turn left into the marina and follow the road to the rotary and then take the right exit. Take the first road to the left, Haul Road, and drive to the ferry carpark. Cross the carpark and go through the gate to the left, then follow the track for about 200 meters to the site.

SITE DESCRIPTION - The site is located on the Dorchester Bay mudflats, some 300 meters west of the Nantucket Lightship and about 75 meters north of the old iron seawall. Station 2 is about 50 meters north of Station 1 and Station 3 is 50 meters further to the west.

BIVALVE COLLECTIONS

1995 The mudflat supports a large population of mussels of all sizes. Care should be taken whilst sampling, as the tide comes in very fast and the sediments are very soft.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

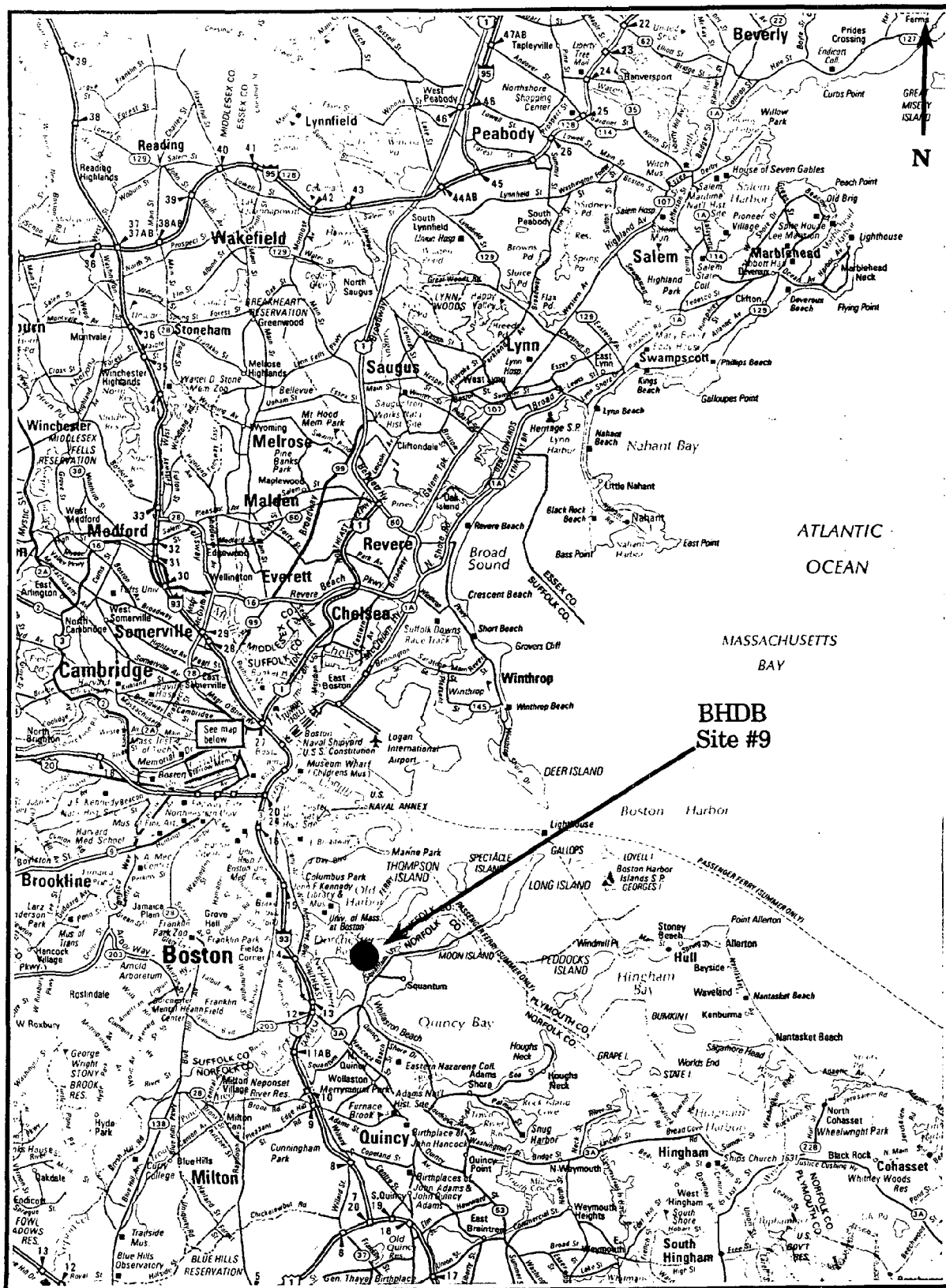
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

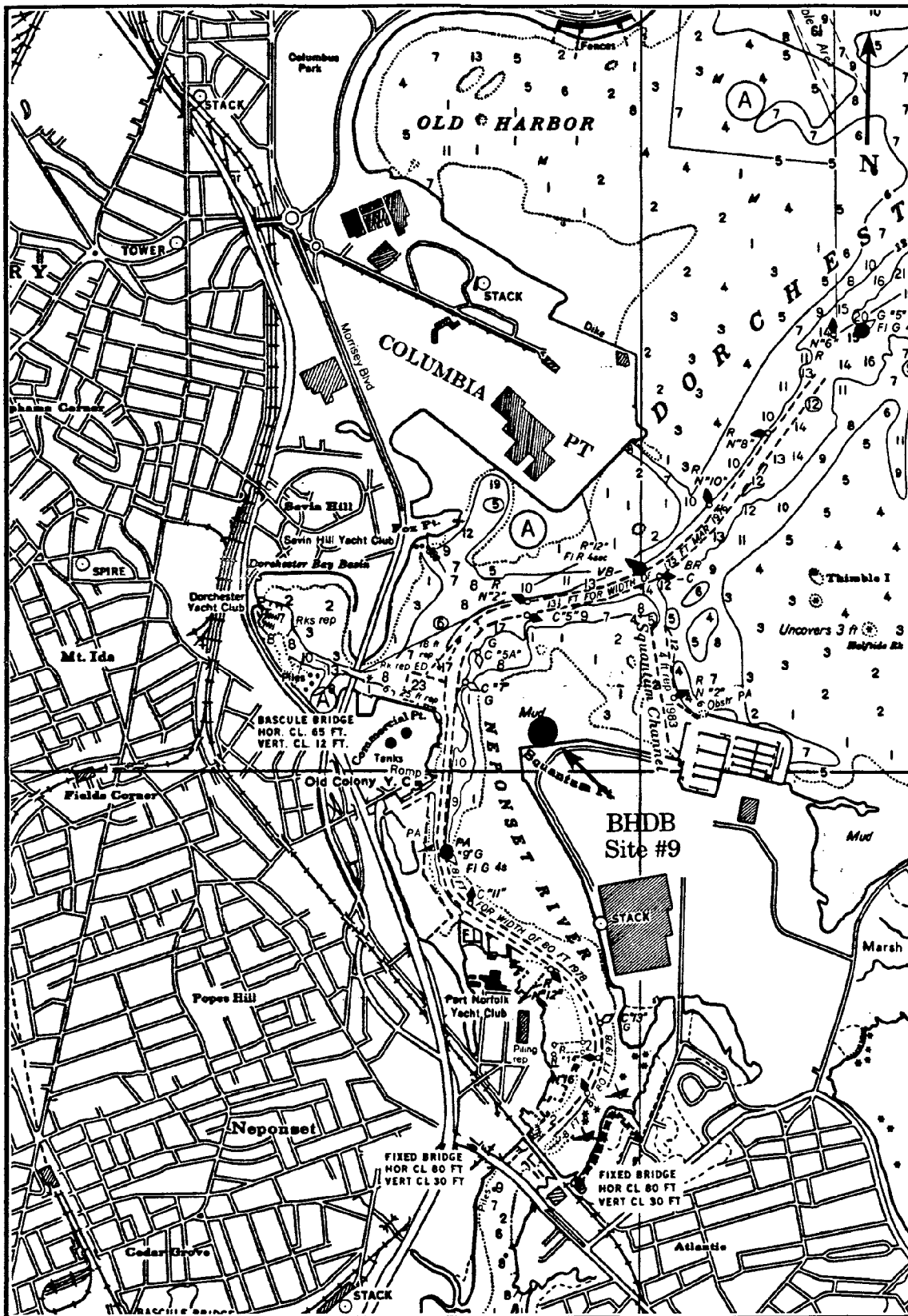
POSSIBLE CONTAMINANTS - The site is located just to the south of Boston Harbor and Logan Airport. There are more than a few potential sources of contamination in the area, including the nearby marina, and the Dorchester gas works and storage area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	29.0	12.0	3/13/95



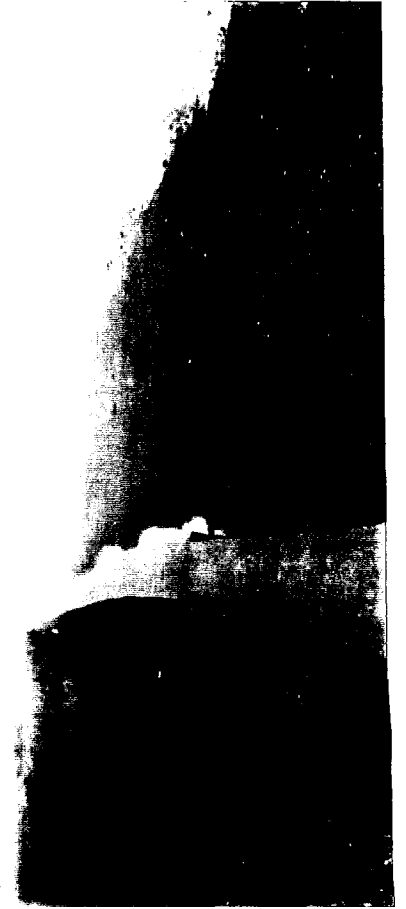
Site #9 (BHDB), Boston Harbor Dorchester Bay.



Site #9 (BHDB), Boston Harbor Dorchester Bay (from chart 13270).



Site #9 (BHDB), Boston Harbor Dorchester Bay



GERG SITE NUMBER - 10

DESIGNATOR -BHHB

SITE - HINGHAM BAY, BOSTON HARBOR, MA

NOMINAL SITE CENTER - 42°16.56'N 70°53.00'W

LOCATED ON NOS CHART # - 13270

SITE ACCESS - Take the #12 exit off I-93, and head south on Hwy. 3A through Neponsett and Quincy. Follow Hwy. 3A to Hingham, then north towards Hull along the peninsular. After the first short causeway, turn left onto Water Edge Road and follow it to the stop sign. Turn left and go to the small green house (#239) at the water's edge.

SITE DESCRIPTION - The site is located on the one side of a small channel leading into Weir River, opposite the red nun buoy "4". Station 1 is located on the beach 50 meters to the east of the green house, in front of a light gray house with a white flagpole, Station 2 is in front of the green house and Station 3 is 50 meters to the west of the green house at a one meter high boulder on the beach, in front of a two storey white house.

BIVALVE COLLECTIONS

1995 There was a dense population of mussels of all sizes, all along the pebble and rock beach.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

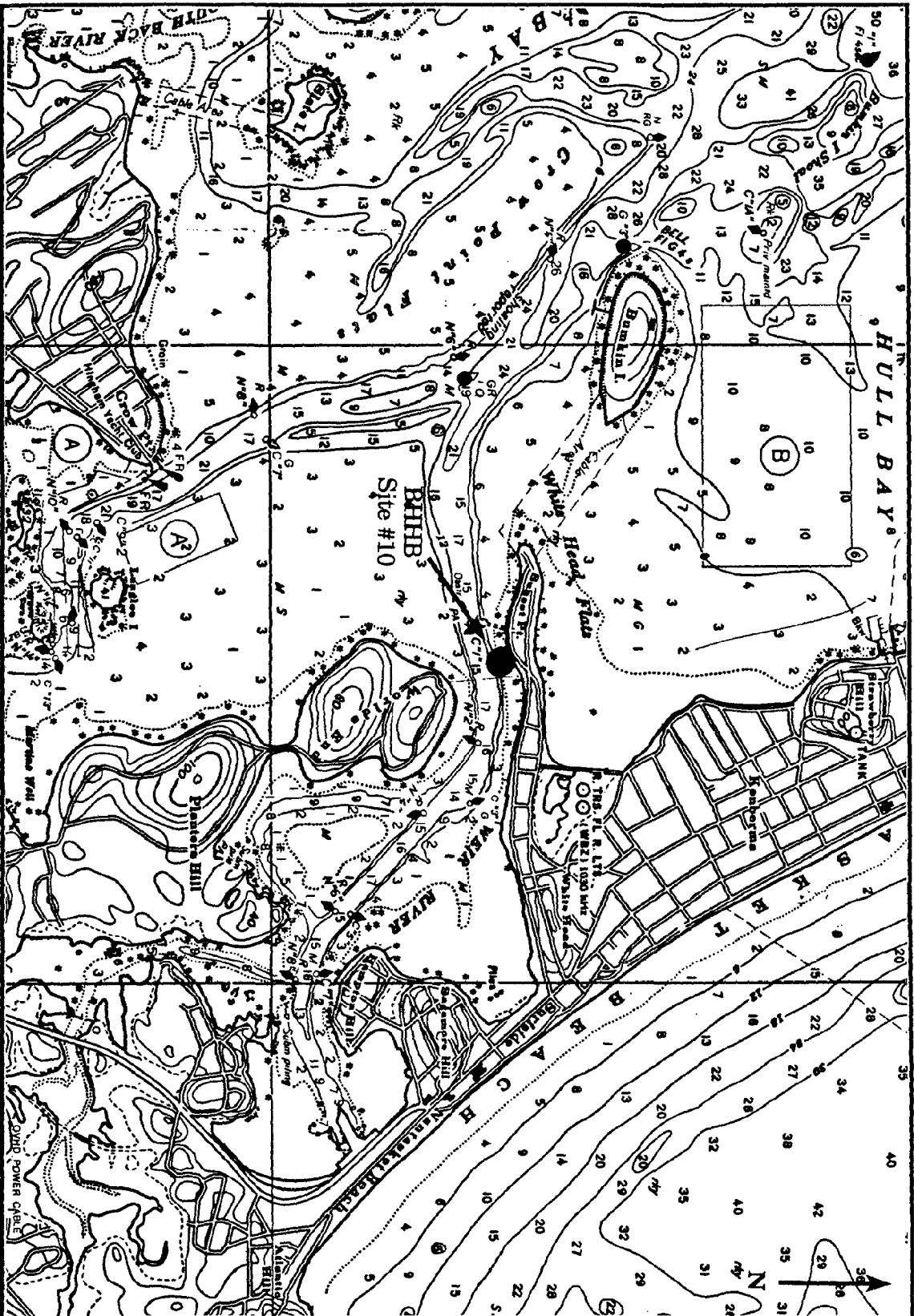
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	32.0	8.0	3/13/95



Site #10 (BHHB), Boston Harbor Hingham Bay (from chart 13270).



Site #10 (BHHB), Boston Harbor Hingham Bay



GERG SITE NUMBER - 11

DESIGNATOR - BHBI

SITE - BREWSTER ISLAND, BOSTON HARBOR, MA

NOMINAL SITE CENTER - 42°20.59'N 70°52.70'W

LOCATED ON NOS CHART # - 13270

SITE ACCESS - The site can only be accessed by small boat in calm weather. There is a good public boat ramp next to the Winthrop Yacht Club, on Deer Island (see Deer Island Site for more information). Care should be taken in negotiating the outer islands in Boston Harbor, as there are numerous rocks and reefs surrounding the islands.

SITE DESCRIPTION - The nominal site center is in a small cove on the northeast side of the Outer Brewster Island. Station 1 is located in the middle of the cove on the rocks, Station 2 is on the western or right hand side and Station 3 is on the eastern or left hand side of the cove. Extreme care should be taken here as the swell breaks into the cove, which has numerous subsurface rocks out from the shoreline.

BIVALVE COLLECTIONS

1995 There were very few mussels to be found in the cove. They were generally small and well attached in the rock crevices.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

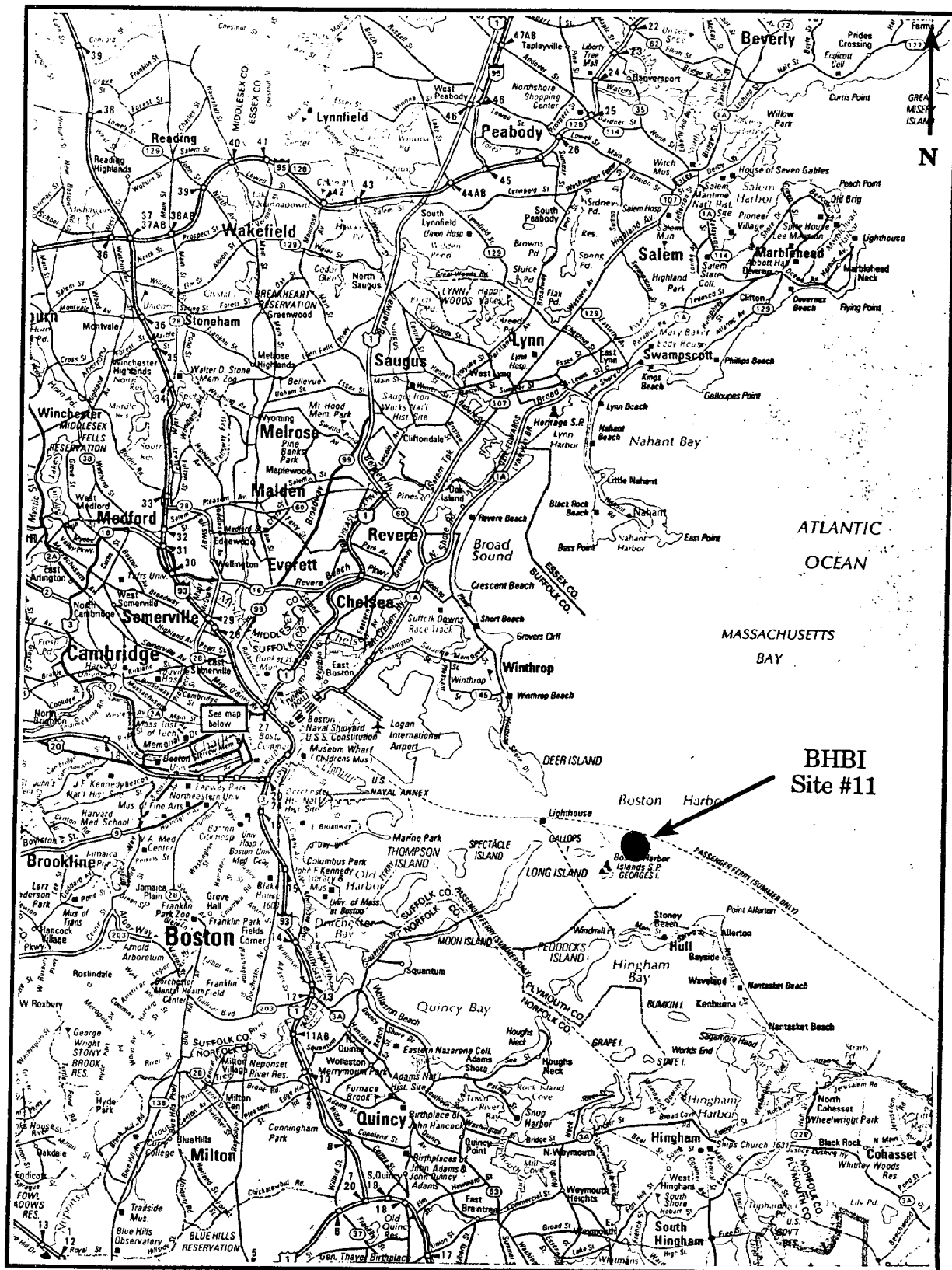
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

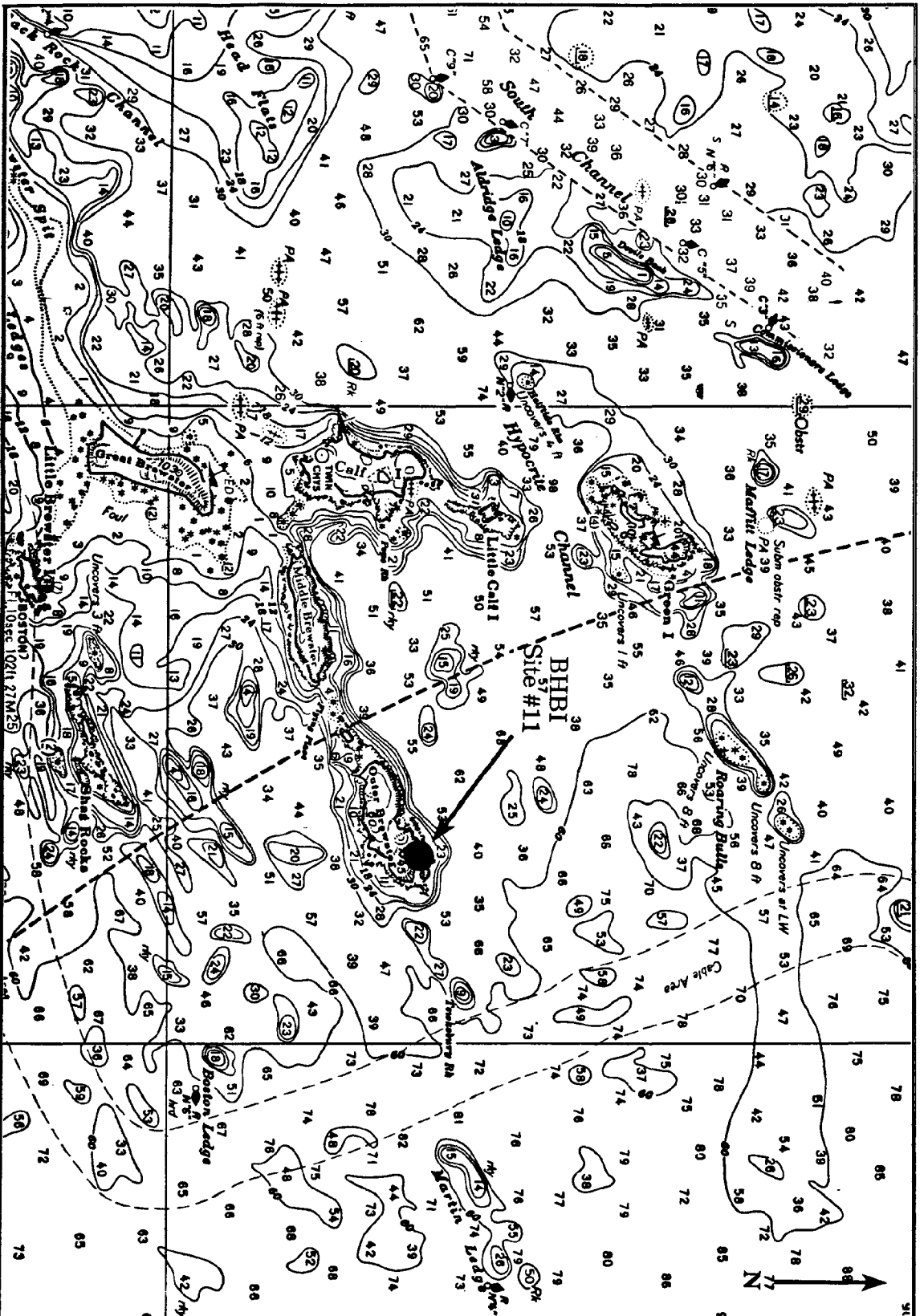
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. The site is right next to the channel leading into Boston Harbor, and there have been numerous shipwrecks in the past on the surrounding rocks and islands.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	32.0	5.0	3/22/95



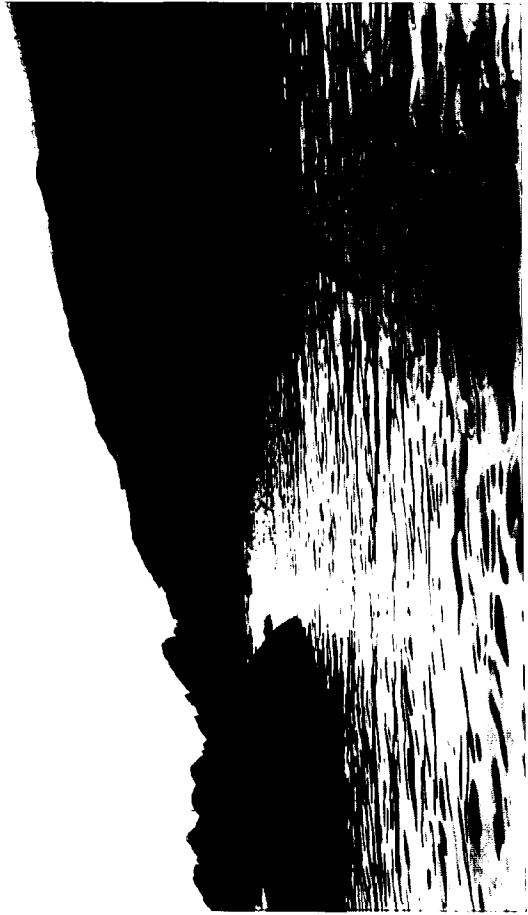
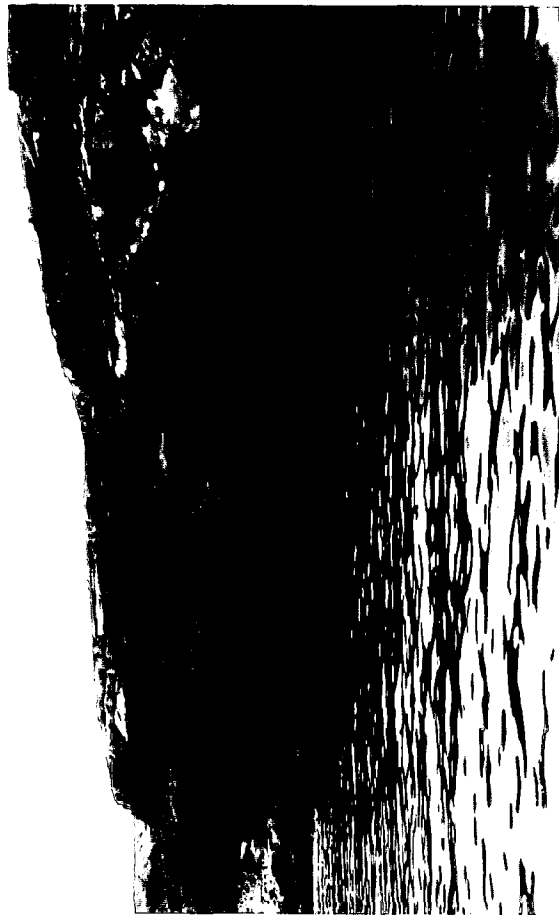
Site #11 (BHBI), Boston Harbor Brewster Island.



Site #11 (BHBI), Boston Harbor Brewster Island (from chart 13270).



Site #11 (BHBI), Boston Harbor Brewster Island



GERG SITE NUMBER - 12

DESIGNATOR - MBNR

SITE - NORTH RIVER, MASSACHUSETTS BAY, MA

NOMINAL SITE CENTER - 42°09.62'N 70°44.55'W

LOCATED ON NOS CHART # - 13269

SITE ACCESS - This is another site that can only be sampled at low tide, with an easy access by foot. Follow Hwy. 3A south from Hingham towards Scituate, and turn right immediately after crossing over the North River bridge. There is a small boat ramp and dock here, that has adequate parking.

SITE DESCRIPTION - The site is located along the south bank of the North River, next to the boat dock and under the Hwy. 3A roadbridge. Station 1 is just to the west of the boat dock, Station 2 is under the road bridge and Station 3 is 50 meters to the east of the bridge.

BIVALVE COLLECTIONS

1995 There is a dense mussel bed along the south bank of the river, with all sizes of mussels being present in large numbers.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

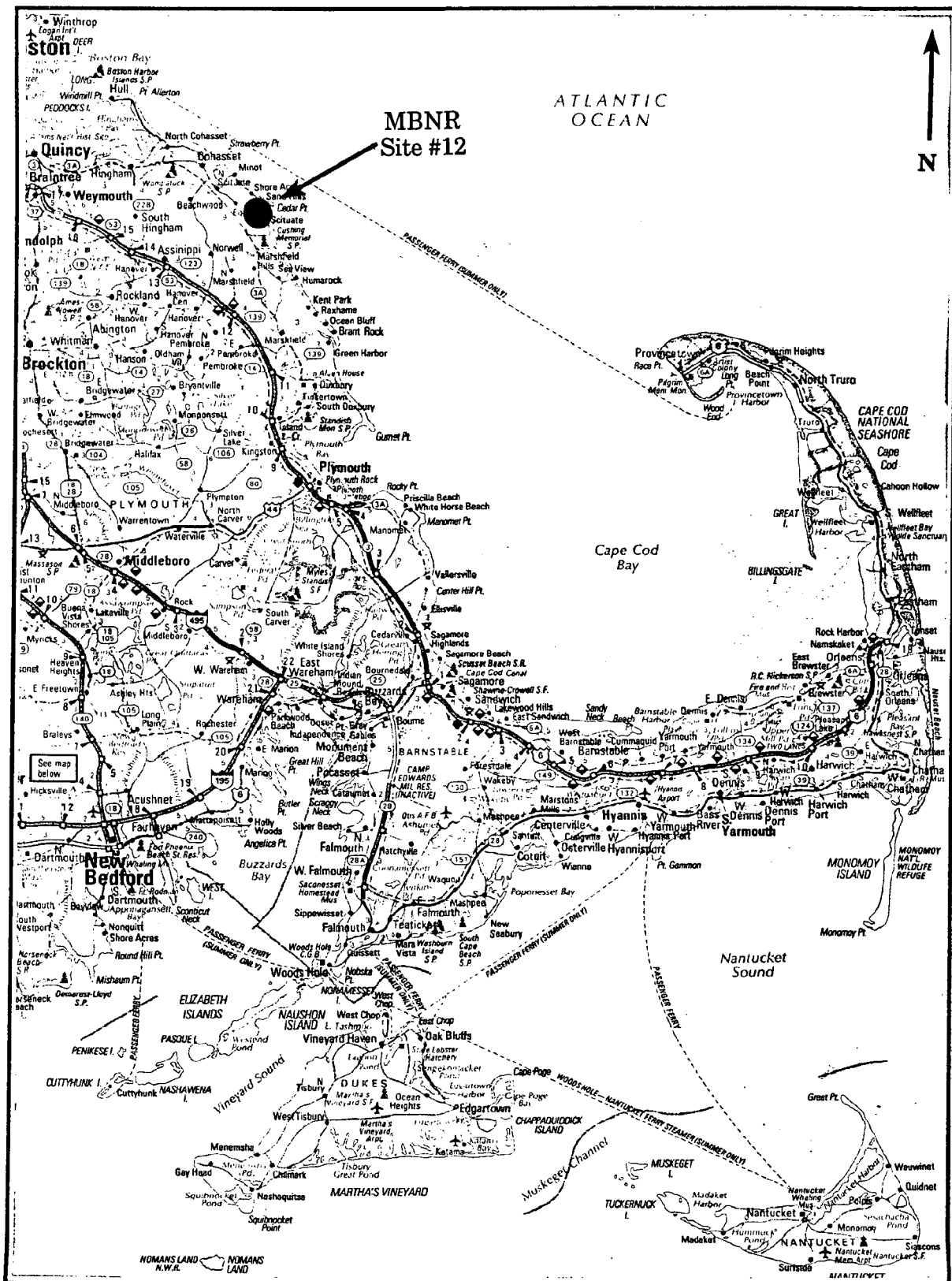
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

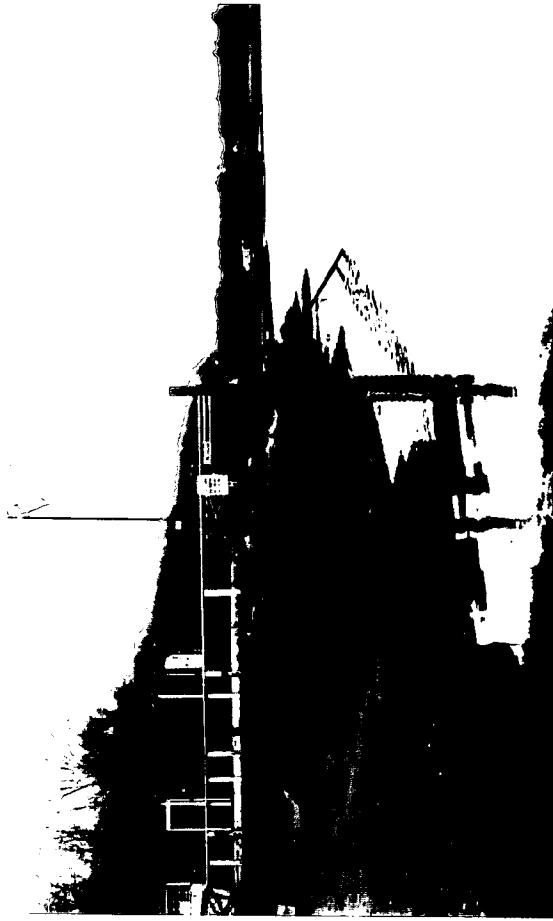
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. The boat dock and ramp, as well as the Highway could be potential sources for contamination.

ENVIRONMENTAL DATA

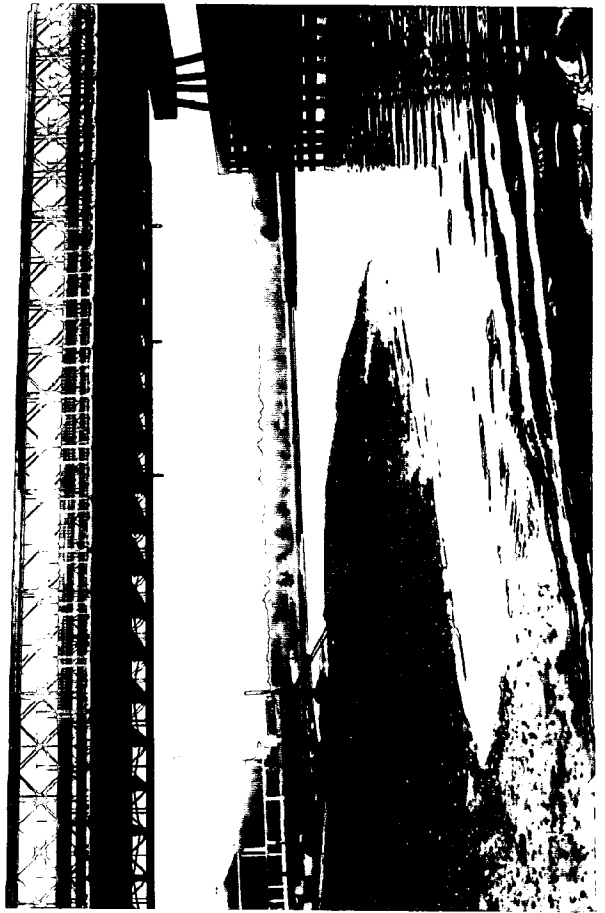
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	5.0	5.0	3/14/95



Site #12 (MBNR), Massachusetts Bay North River.



Site #12 (MBNR), Massachusetts Bay North River



GERG SITE NUMBER - 13

DESIGNATOR -DBCI

SITE - CLARKS ISLAND, DUXBURY BAY, MA

NOMINAL SITE CENTER - 42°00.82'N 79°38.19'W

LOCATED ON NOS CHART # - 13253

SITE ACCESS - This site has to be accessed by boat, and can be worked at any tide level. Follow Hwy. 3A south from Boston towards Cape Cod, and take Exit 11 east onto Hwy. 14 into Duxbury. Turn left down a small lane, to the town boat ramp and harbor master's office, just before the town square. Follow the channel closely south out to the red can "6" and then east to Clarks Island. The mudflats are very shallow here and the channel is fairly narrow in places - don't cut any corners.

SITE DESCRIPTION - The site is located off the northern point of Clarks Island, and in the channel to the northeast. Station 1 is located in the channel just to the east of the point, Station 2 is about 50 meters further west and lies to the north of the point, while Station 3 is a further 50 meters to the west and about 50 meters offshore of the island.

BIVALVE COLLECTIONS

1995 Large mussels were abundant throughout the area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

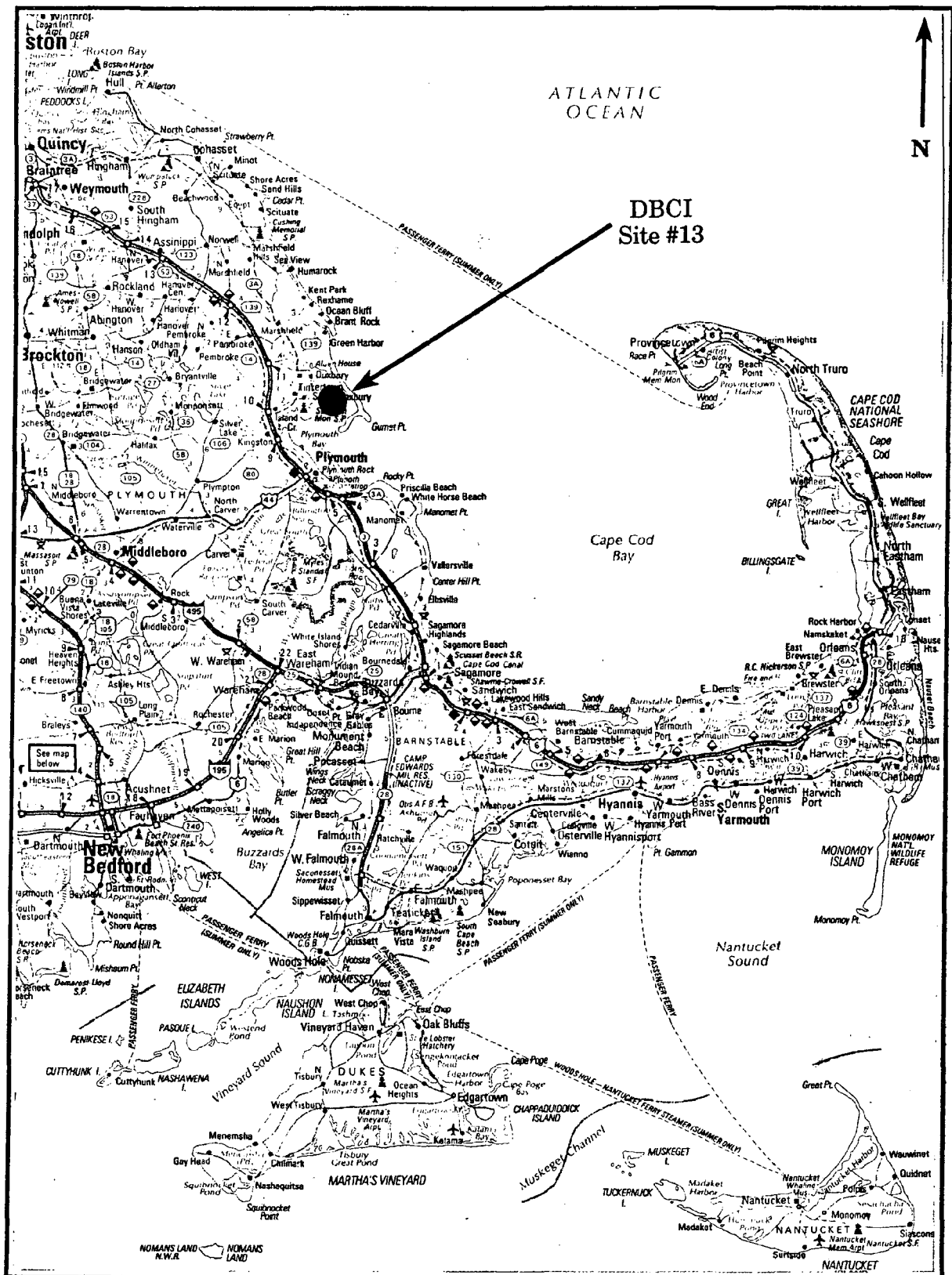
Mussels - dredge
Sediments - N/A

WATER DEPTH - subtidal, 5.0 m

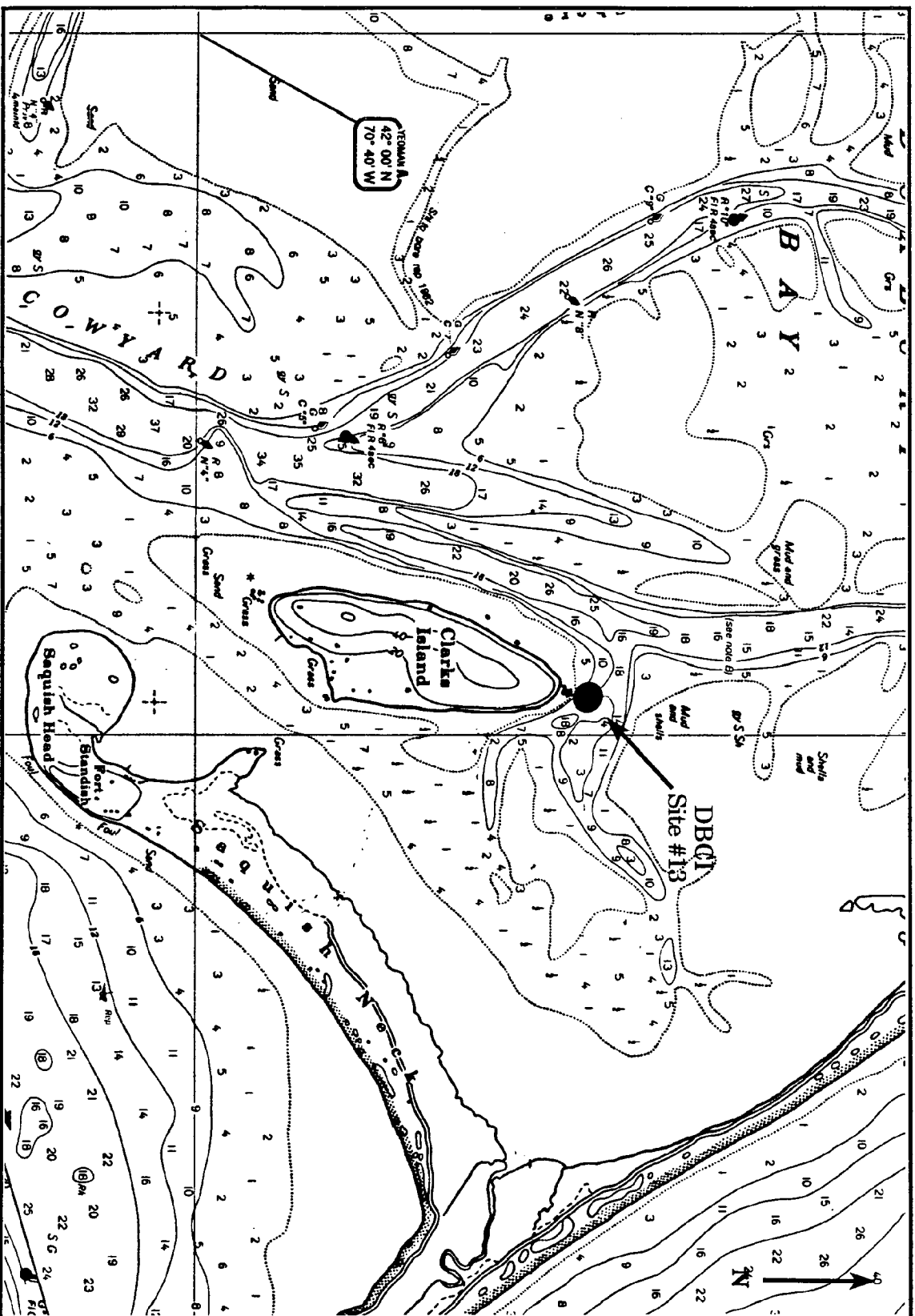
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	33.0	5.0	3/15/95



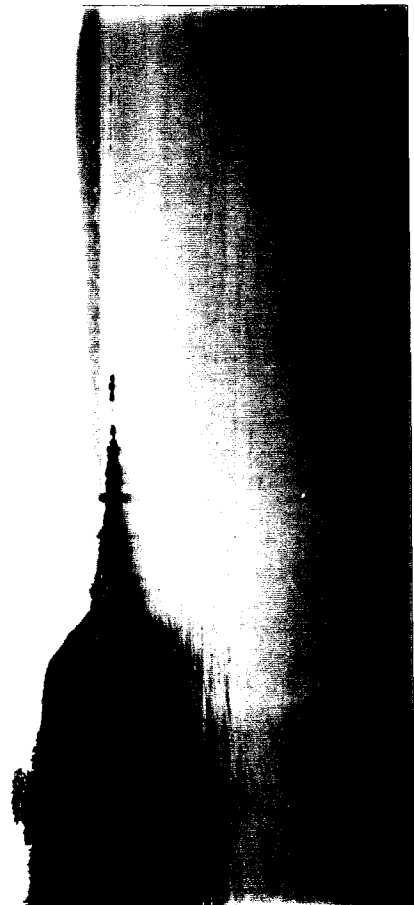
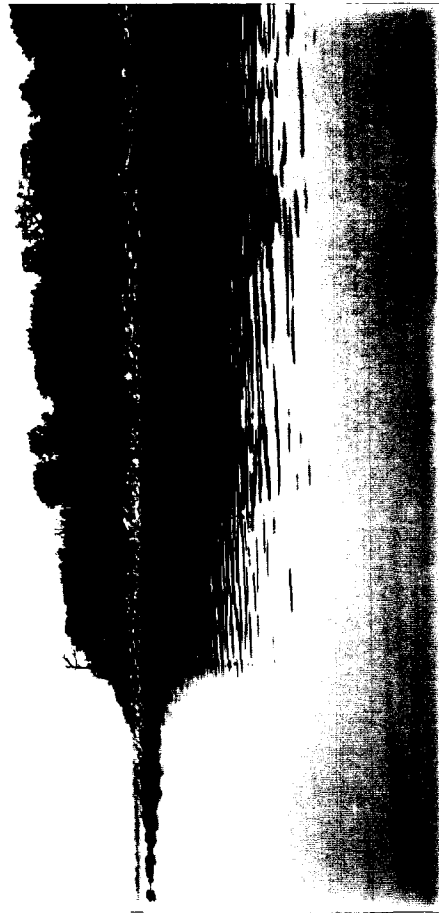
Site #13 (DBCI), Duxbury Bay Clarks Island.



Site #13 (DBCI), Duxbury Bay Clarks Island (from chart 13253).



Site #13 (DBCI), Duxbury Bay Clarks Island



GERG SITE NUMBER - 14

DESIGNATOR -CCNH

SITE - NAUSET HARBOR, CAPE COD, MA

NOMINAL SITE CENTER - 41°47.75'N 69°56.77'W

LOCATED ON NOS CHART # - 13246

SITE ACCESS - This site is a walk-up that can only be sampled by hand at low tide. Follow Hwy. 6 out towards Cape Cod, and take Exit 6A east (right) Orleans. At the lights, turn right onto Main Street going towards Nauset Beach. Where the road makes a "Y", follow the North Beach Road towards Nauset Beach and on to the Ship's Knee's Inn, where you turn left onto Nauset Heights Road. Turn left onto Doane Way and park opposite the "Dead End 500 feet" sign. Go down the wooden stairs to the shoreline.

SITE DESCRIPTION - The site is located in a small cove in Nauset Harbor. Station 1 is about 100 meters north of the wooden stairs on a small low-tide promontory, Station 2 is 50 meters further east next to a pile of granite boulders and Station 3 is a further 50 meters east of the boulders on the mudflat.

BIVALVE COLLECTIONS

1995 Blue Mussels were very scarce throughout the area. Care should be taken here in identifying the mussels, as the majority of the mussels were either the Ribbed or Horse Mussel species.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

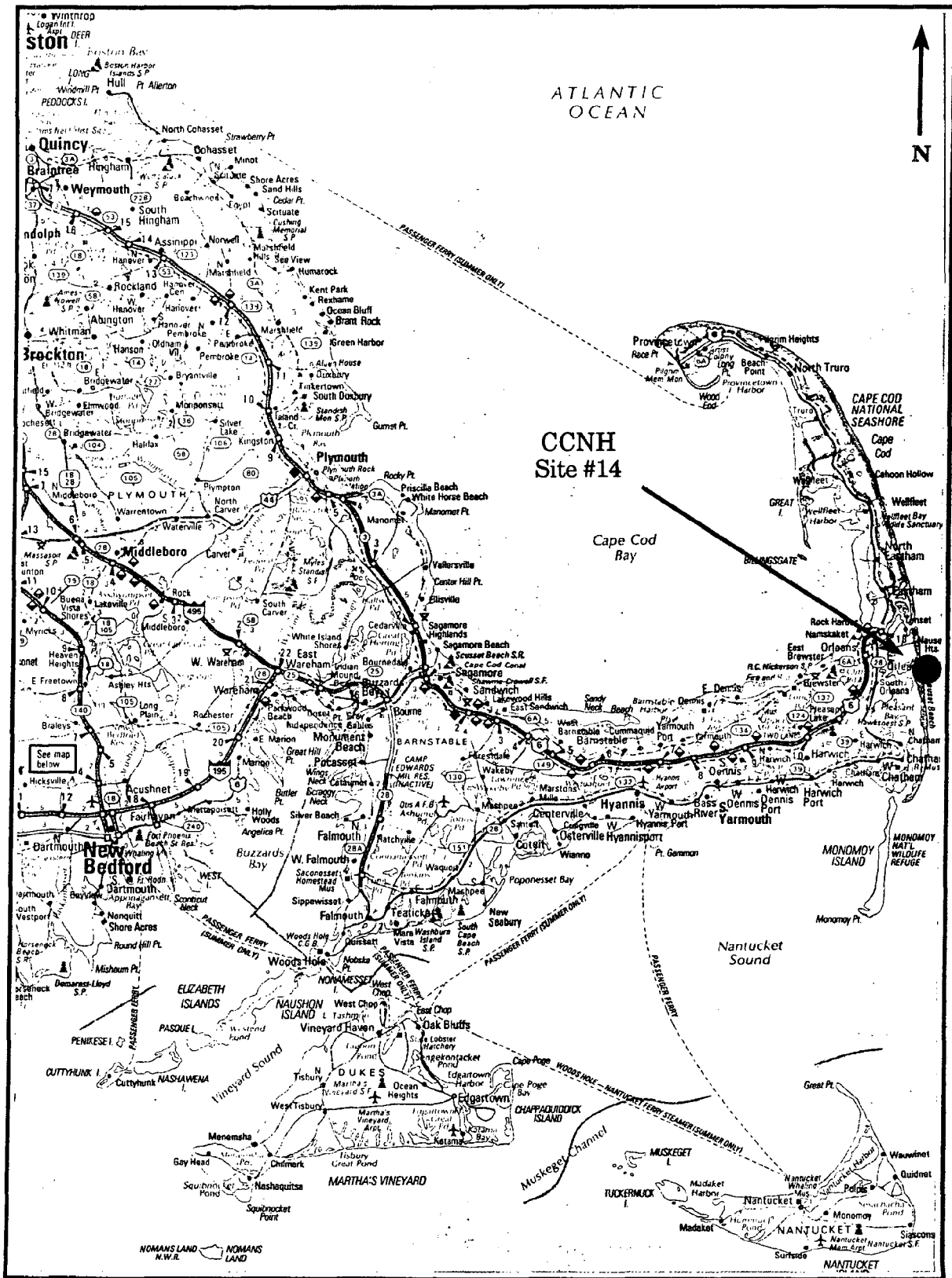
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	33.0	5.0	3/16/95



Site #14 (CCNH), Cape Cod Nauset Harbor.



Site #14 (CCNH), Cape Cod Nauset Harbor



RHODE ISLAND SITES

GERG SITE NUMBER - 21

DESIGNATOR -NBDI

SITE - DYER ISLAND, NARRAGANSETT BAY, RI

NOMINAL SITE CENTER - 41°36.29'N 71°18.31'W

LOCATED ON NOS CHART # - 13221

SITE ACCESS - This site has to be accessed by boat, launched from the Bristol Harbor boat ramp. Follow Hwy. 114 north into Bristol, turn left (west) onto State Ave. just after the town library and drive down to the boat ramp. From here, follow the channel southwest for about 4.5 miles to the Sandy Point Light on Prudence Island, in Narragansett Bay.

SITE DESCRIPTION - The original site was located in the middle of the channel to the east of Sandy Point Light, in 25 meters of water. After a number of unsuccessful dredging attempts to find mussels, the site was moved to an intertidal area just south of Sandy Point Light. This was done after some discussion with the project COTR. Station 1 is located on the shoreline about 100 meters south of the Light, Station 2 is some 30 meters north of Station 1 and Station 3 is some 30 meters south from Station 1 on the shoreline.

BIVALVE COLLECTIONS

1995 Mussels were very scarce throughout the area, and the few that were found were below the low tide mark in the water. The mussels were all partially buried in the sediments and pebbles of the beach.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

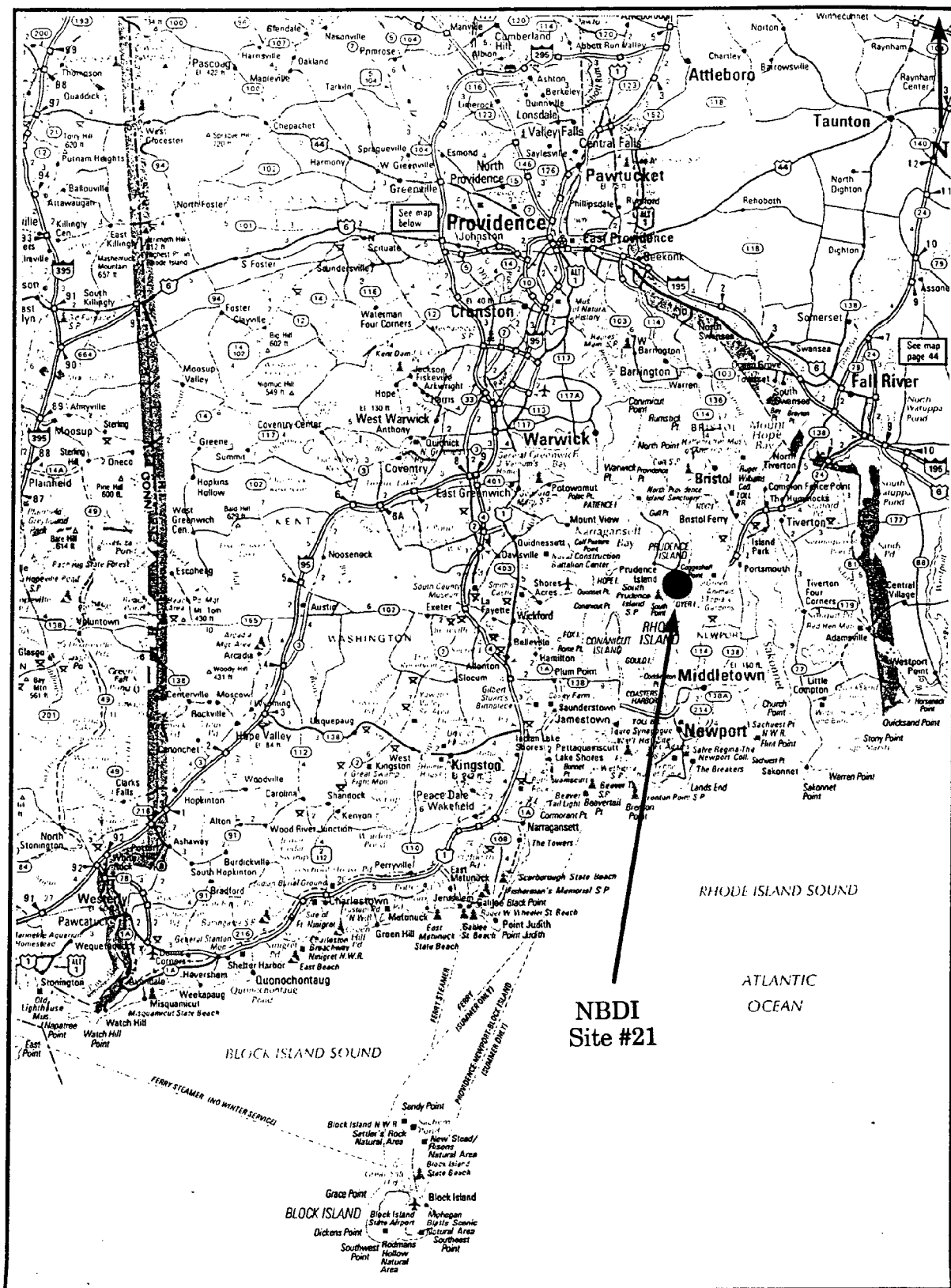
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

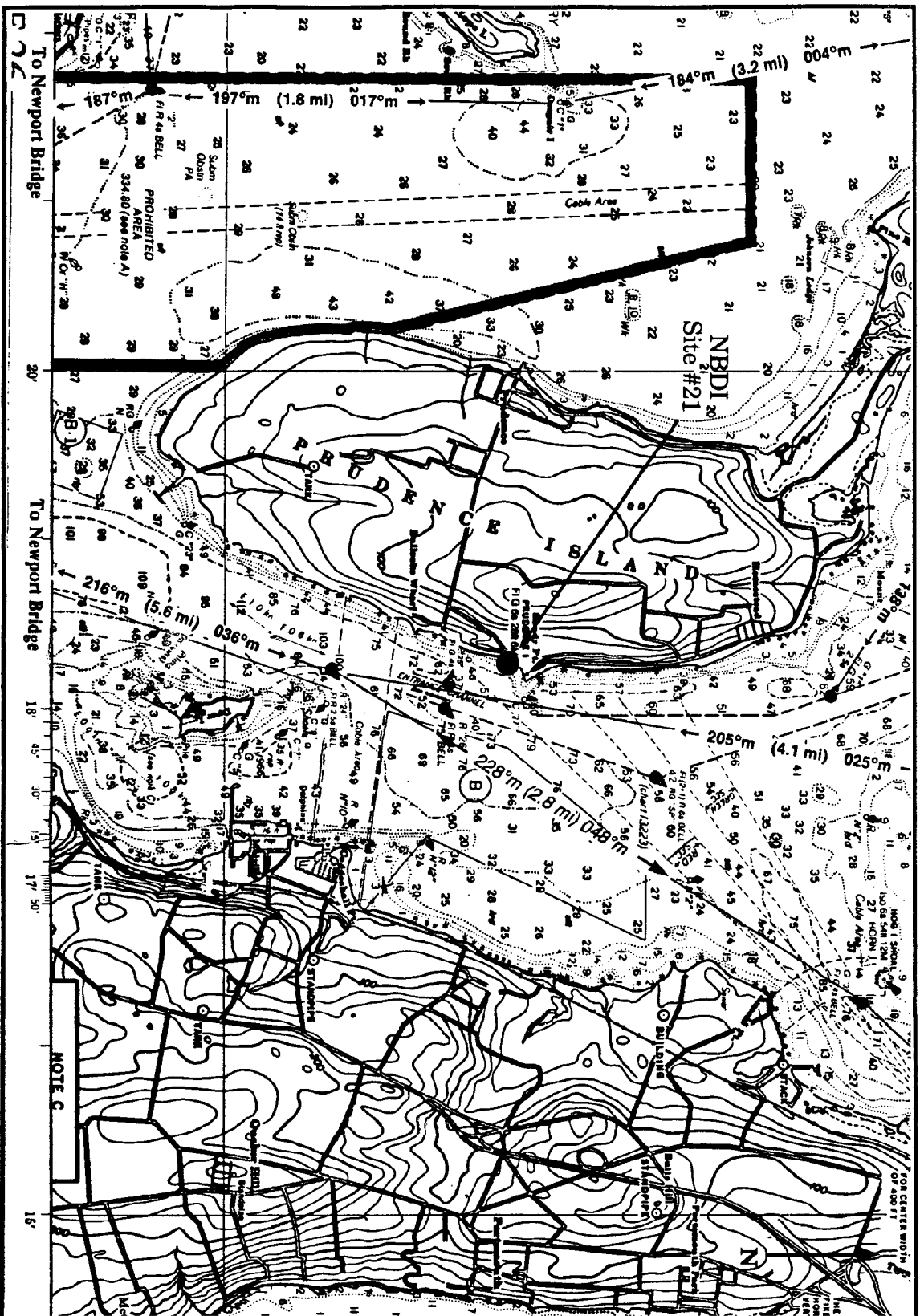
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. The site is located just off the shipping channel through Narragansett Bay, so that there is some potential for contamination.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	29.0	5.0	3/24/95



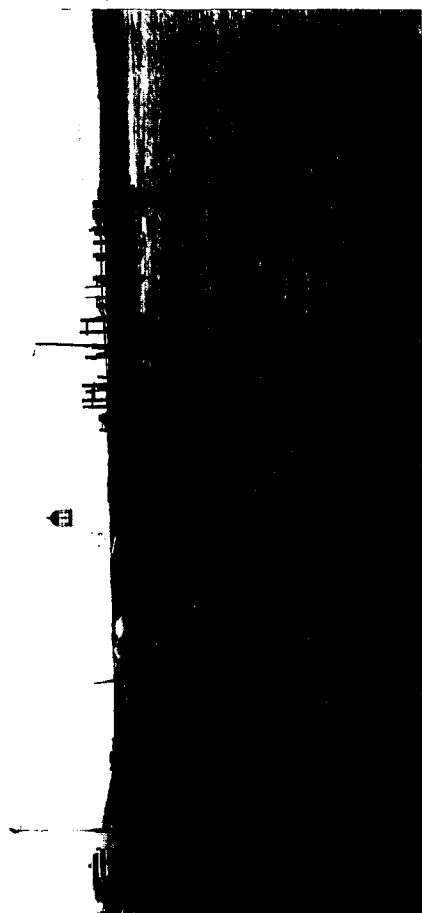
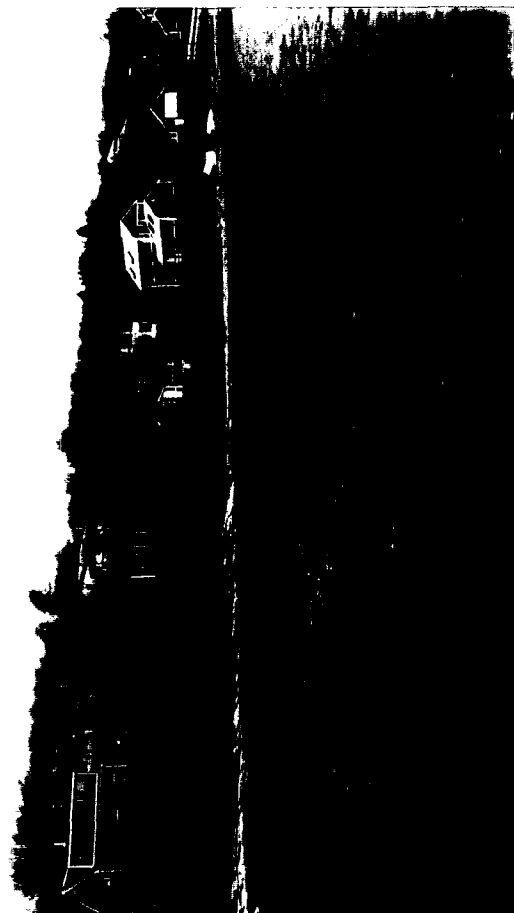
Site #21 (NBDI), Narragansett Bay Dyer Island



Site #21 (NBDI), Narragansett Bay Dyer Island (from chart 13223).



Site #21 (NBDD), Narragansett Bay Dyer Island



GERG SITE NUMBER - 22

DESIGNATOR - NBPI

SITE - PATIENCE ISLAND, NARRAGANSETT BAY, RI

NOMINAL SITE CENTER - 41°39.14'N 71°21.38'W

LOCATED ON NOS CHART # - 13221

SITE ACCESS - This site has to be accessed by boat, launched from the Bristol Harbor boat ramp. Follow Hwy. 114 north into Bristol, turn left (west) onto State Ave. just after the town library and drive down to the boat ramp. From here, follow the channel southwest out into Narragansett Bay and then northwest to Providence Point, and then southwest again to Patience Island.

SITE DESCRIPTION - The site is located on the southeast side of Patience Island, along the shoreline just to east of the rocks. Station 3 lies next to the rocks on the shoreline, Station 1 is 50 meters further to the east and Station 2 is another 50 meters to the east of Station 1.

BIVALVE COLLECTIONS

1995 Blue Mussels were very scarce throughout the area, and only small specimens were found. Care should be taken in identifying the species, as more than one mussel species occurs here.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

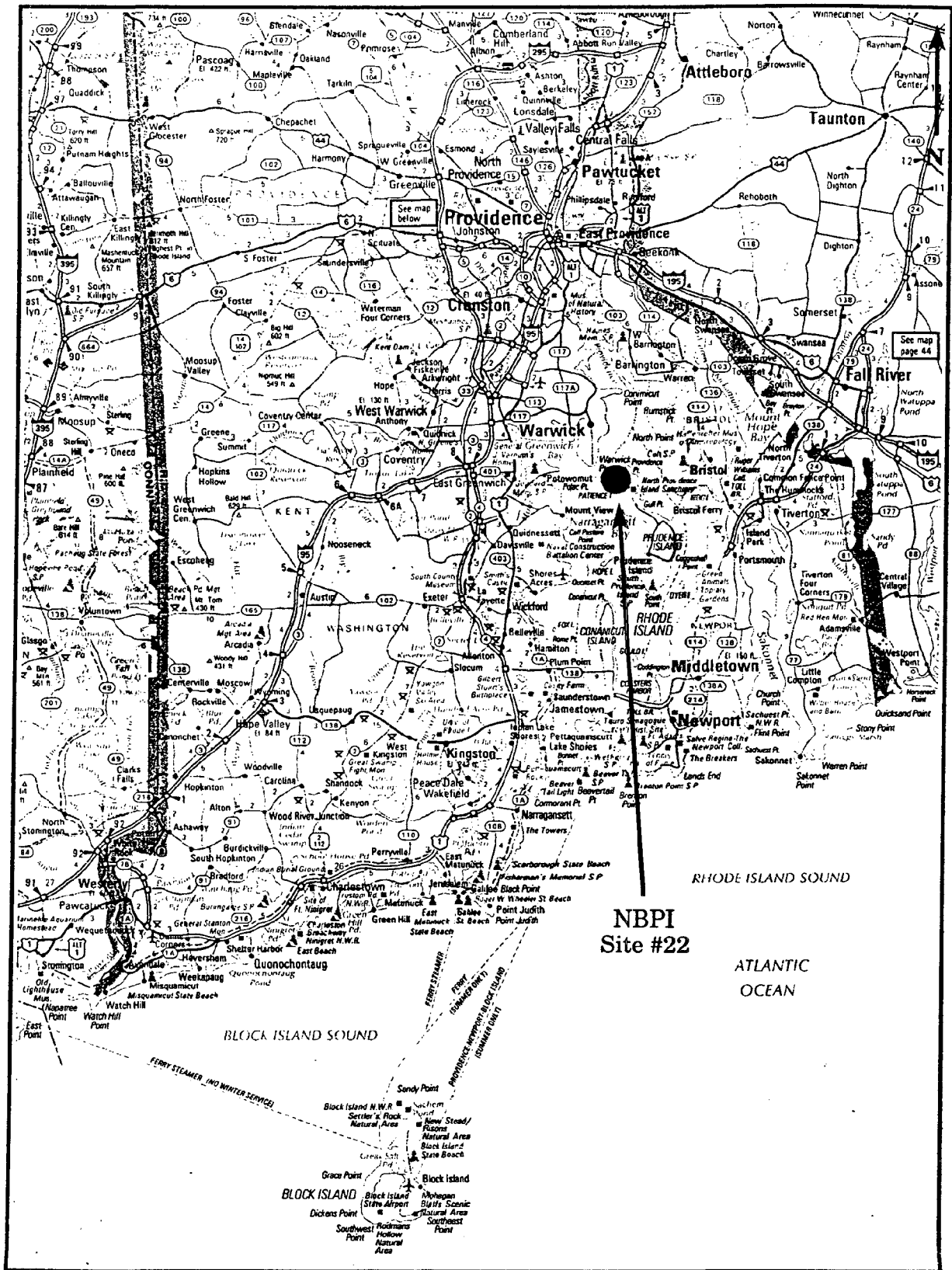
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

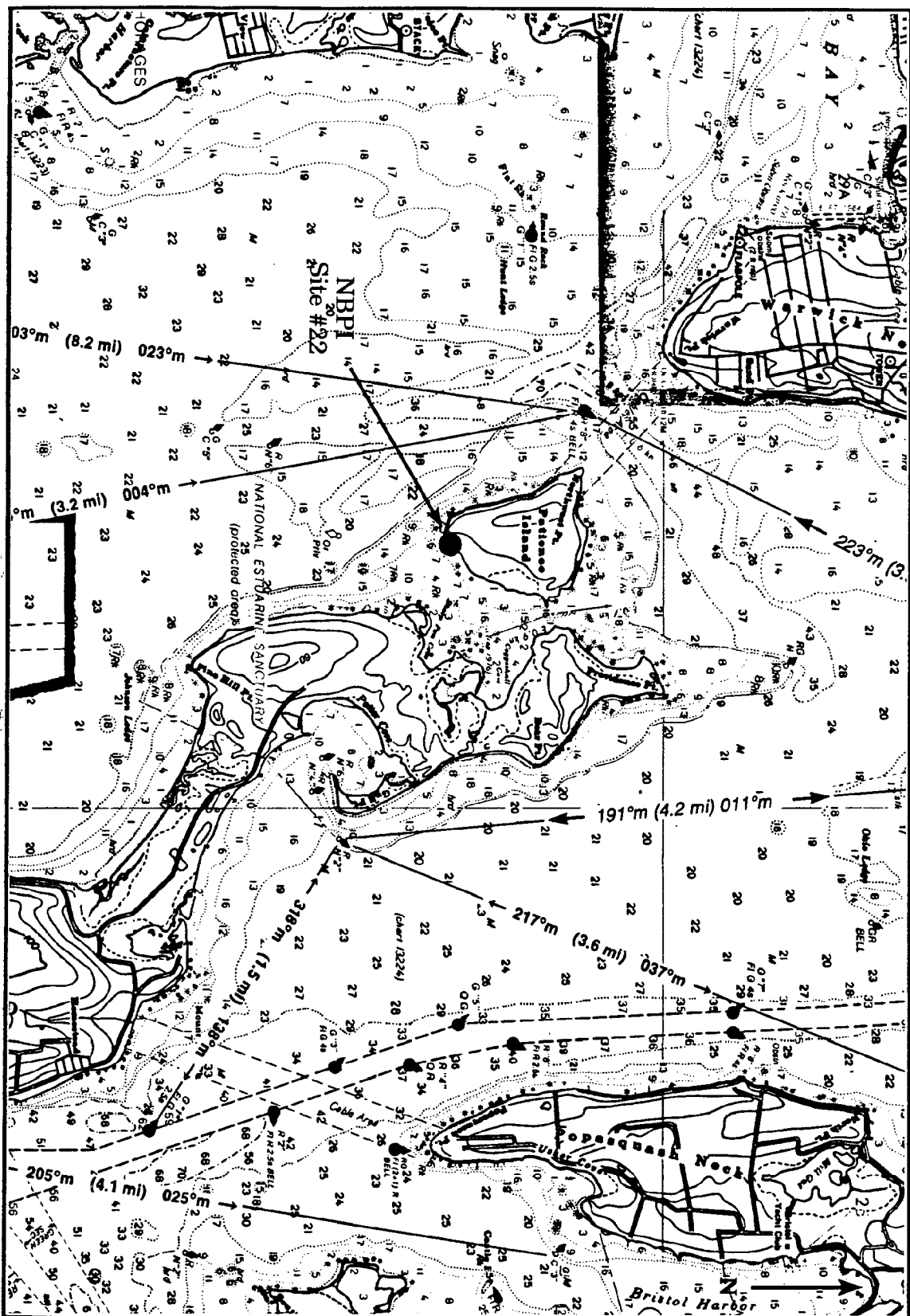
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. This site lies just a few miles south of Providence, which could be a potential source of contamination.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	5.0	3/24/95



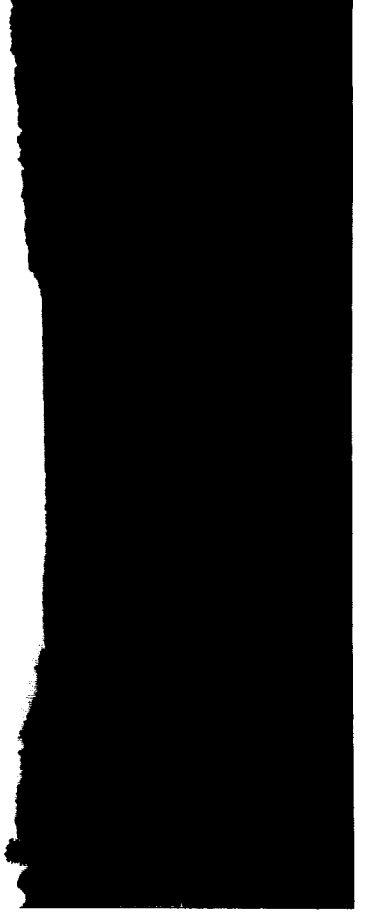
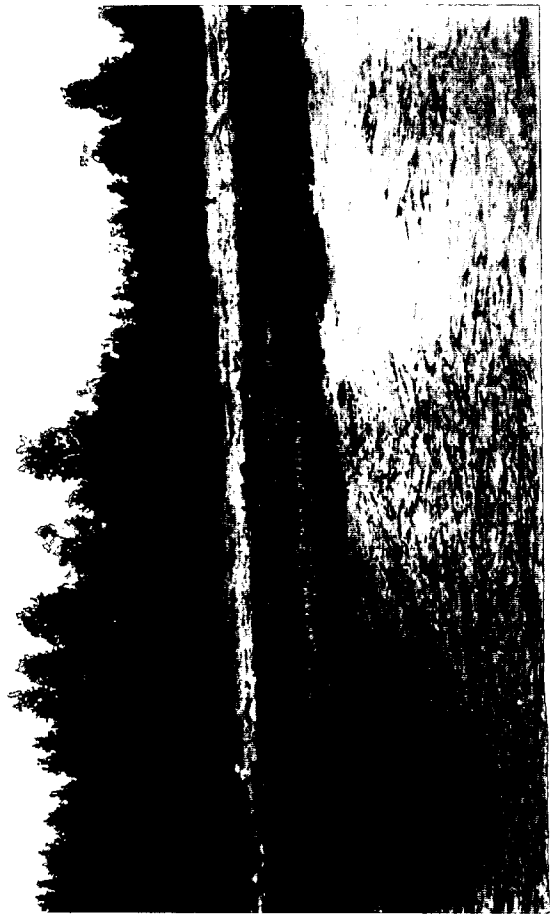
Site #22 (NBPI), Narragansett Bay Patience Island



Site #22 (NBPI), Narragansett Bay Patience Island (from chart 13224).



Site #22 (NBPI), Narragansett Bay Patience Island



GERG SITE NUMBER - 23

DESIGNATOR - NBDI

SITE - DUTCH ISLAND, NARRAGANSETT BAY, RI

NOMINAL SITE CENTER - 41°29.47'N 71°24.01'W

LOCATED ON NOS CHART # - 13221

SITE ACCESS - This site is accessed on foot and can only be sampled at low tide. Follow Hwy. 138 east onto Conanicut Island, and take the exit just before the Newport Toll Bridge. Follow the road into Jamestown and take a right at the Bay View Bar & Grill. Follow the signs to Fort Gerry, and then proceed to the northwest tip of the island. There is also a good public ramp here, to launch the boat if sediments are to be collected

SITE DESCRIPTION - The site is located along the shoreline on the rocks below Fox Hill. The three Stations are 50 meters apart, with Station 1 to the northeast and Station 3 being to the west-southwest.

BIVALVE COLLECTIONS

1995 There were very few small mussels to be found along this shoreline, attached to the underside of the rocks and in the numerous crevices.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

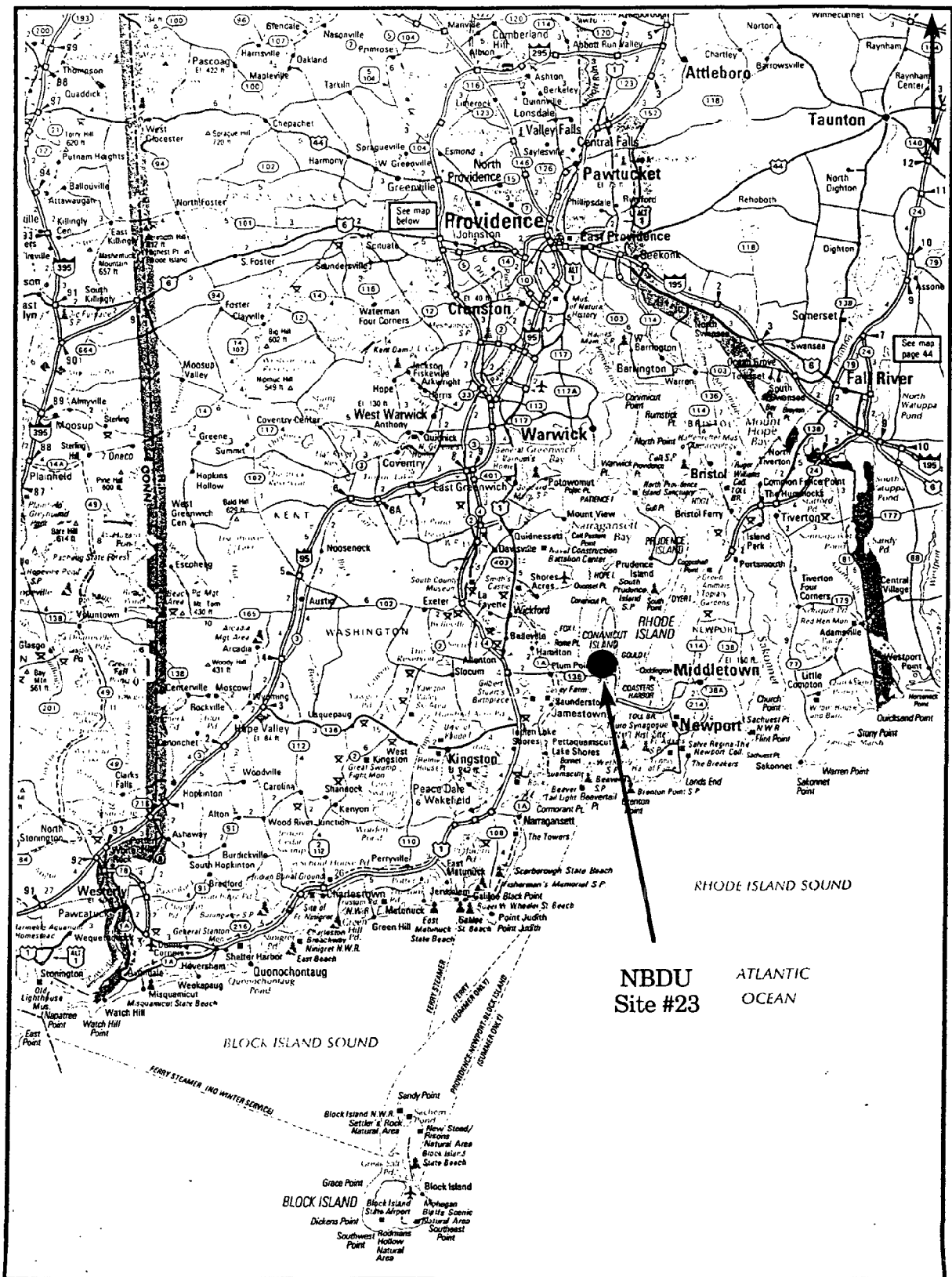
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	5.0	3/23/95



Site #23 (NBDU), Narragansett Bay Dutch Island.



Site #23 (NBDU), Narragansett Bay Dutch Island



GERG SITE NUMBER - 24

DESIGNATOR - BIBI

SITE - BLOCK ISLAND, BLOCK ISLAND, RI

NOMINAL SITE CENTER - 41°11.82'N 71°35.47'W

LOCATED ON NOS CHART # - 13217

SITE ACCESS - Take the ferry from Point Judith out to Block Island, it is advisable to take your own vehicle as taxi's are exorbitant on the island. Follow the road from the ferry dock out to the U.S. Coastguard SAR Station on Harbor Neck. Park the vehicle in the carpark and walk out to the breakwater.

SITE DESCRIPTION - The original site was on the north side of the cut into the Great Salt Pond, on Block Island. No mussels were to be found in the area, as the population had been denuded in a severe winter storm (lasted 3 days) a few months prior to the sampling. After consultation with the COTR, the site was moved to the southern breakwater where there was still a viable population of mussels. Station 1 is just short of the light on the breakwater, Station 2 is some 50 meters east of Station 1 and Station 3 is at the beach end of the breakwater.

BIVALVE COLLECTIONS

1995 Small to medium sized mussels were found on the underside of the large rocks that made up the breakwater.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

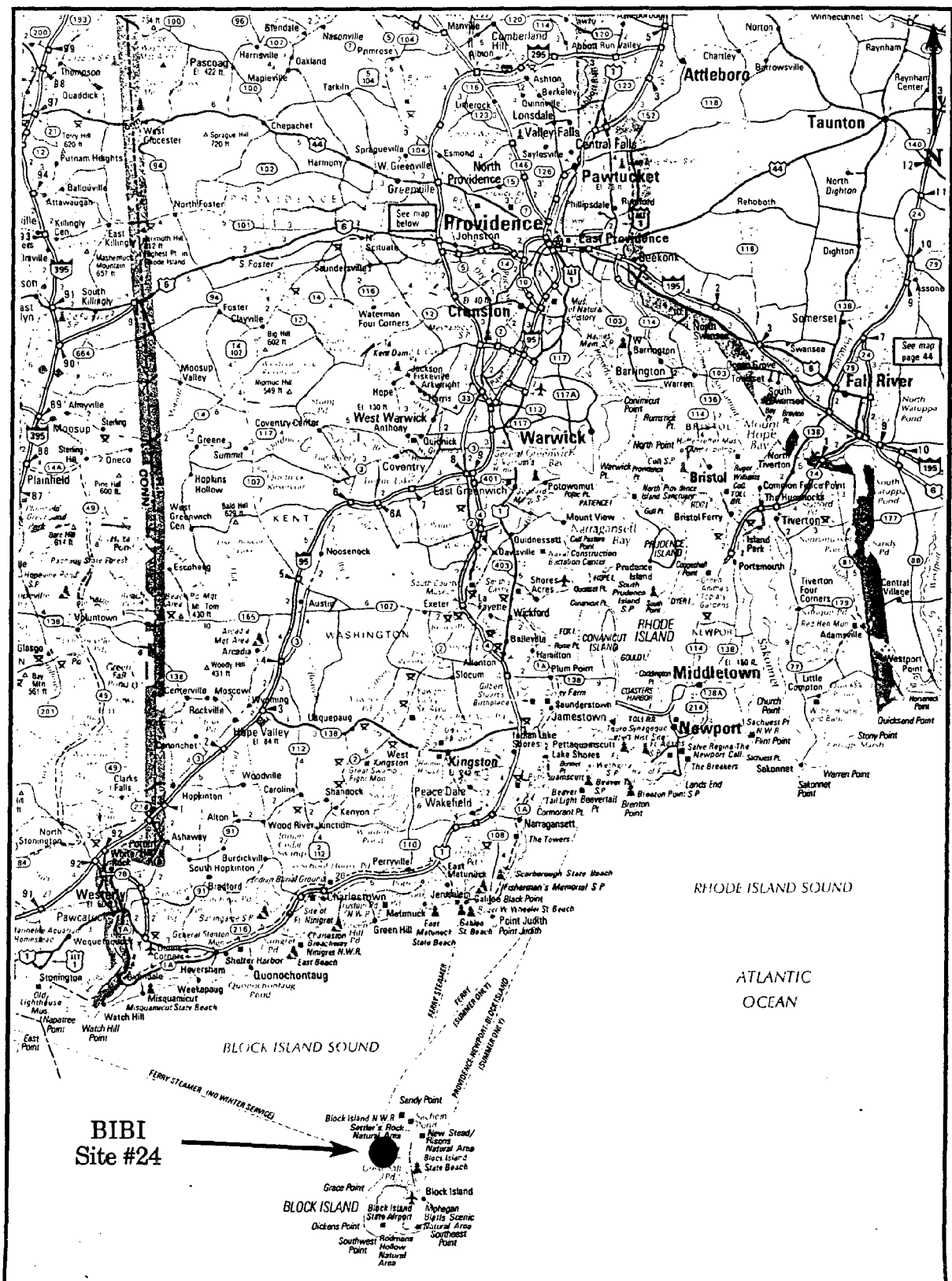
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

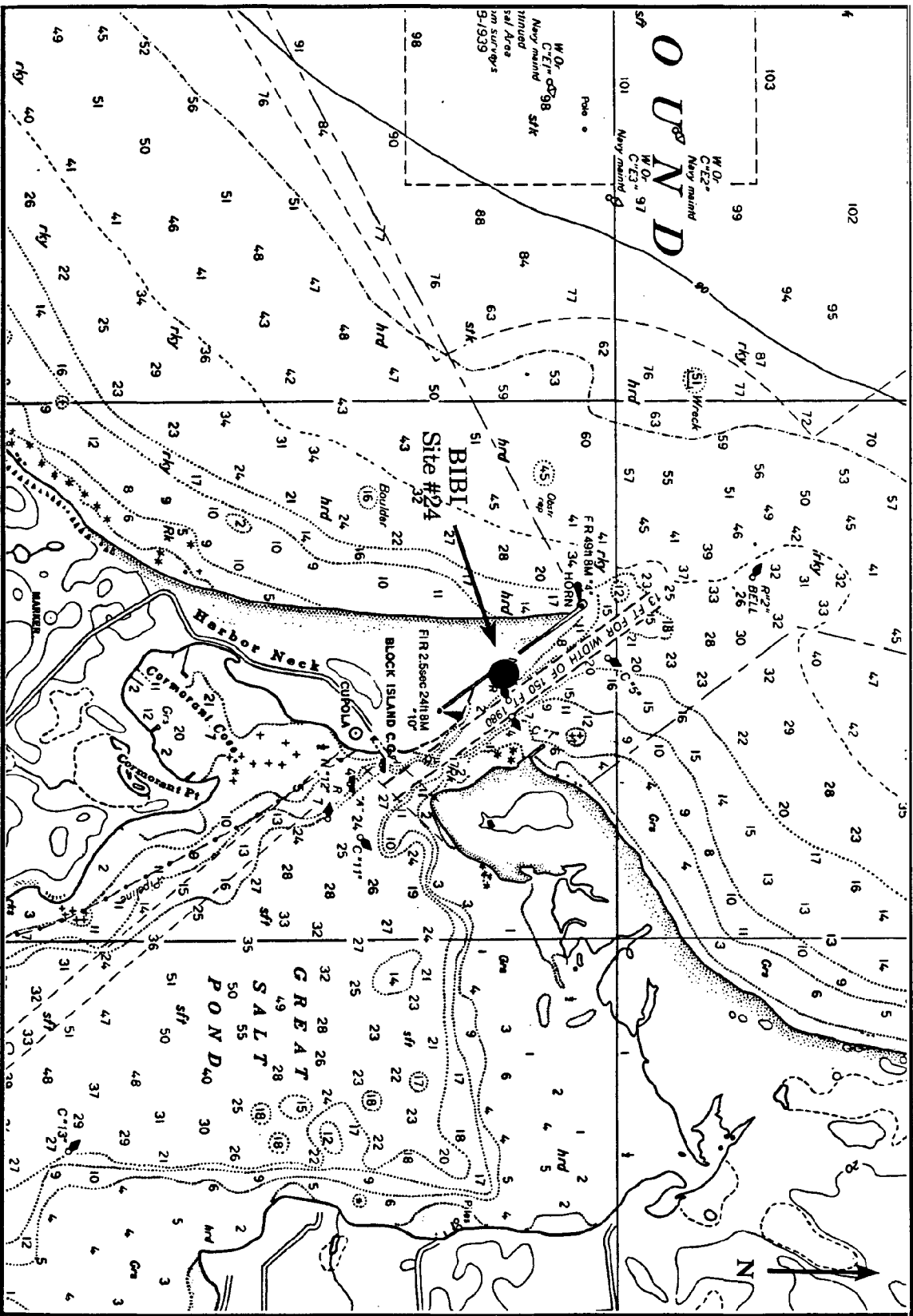
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	32.0	7.0	3/26/95



Site #24 (BIBI), Block Island Block Island.



Site #24 (BIBI), Block Island Block Island (from chart 13217).



Site #24 (BIBI), Block Island Block Island



NEW YORK SITES

GERG SITE NUMBER - 38

DESIGNATOR - HRJB

SITE - JAMAICA BAY, HUDSON-RARITAN BAY, NY

NOMINAL SITE CENTER - 40°34.00'N 73°53.72'W

LOCATED ON NOS CHART # - 12350

SITE ACCESS - From New Jersey, take Hwy. 440 to Staten Island over the Outerbridge (toll-bridge) to the US 278 (Staten Island Expressway). Head east on US 278 to Brooklyn across the Verrazano Narrows Bridge (toll-bridge) to the Belt Parkway (Shore Parkway). Go east towards JFK Airport on the Parkway and take the Flatbush Ave. exit south. Go over the Gill Hodges Memorial Bridge (also called the Marine Parkway Bridge - toll) and go left to Roxbury. The site is located on the easternmost jetty in the Roxbury community at the end of the development.

SITE DESCRIPTION - The site is located along a jetty extending out into the bay. Station 1 is at the landward end of the jetty on the eastern side, Station 2 is about 3/4 of the way out onto the jetty and Station 3 is at the landward end of the jetty on the western side.

BIVALVE COLLECTIONS

1995 There is a large population of mussels along the jetty. The majority of the mussels are buried in the sediments next to the jetty itself. Care should be taken here as this is an exposed site, and the spray from the waves can create problems.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

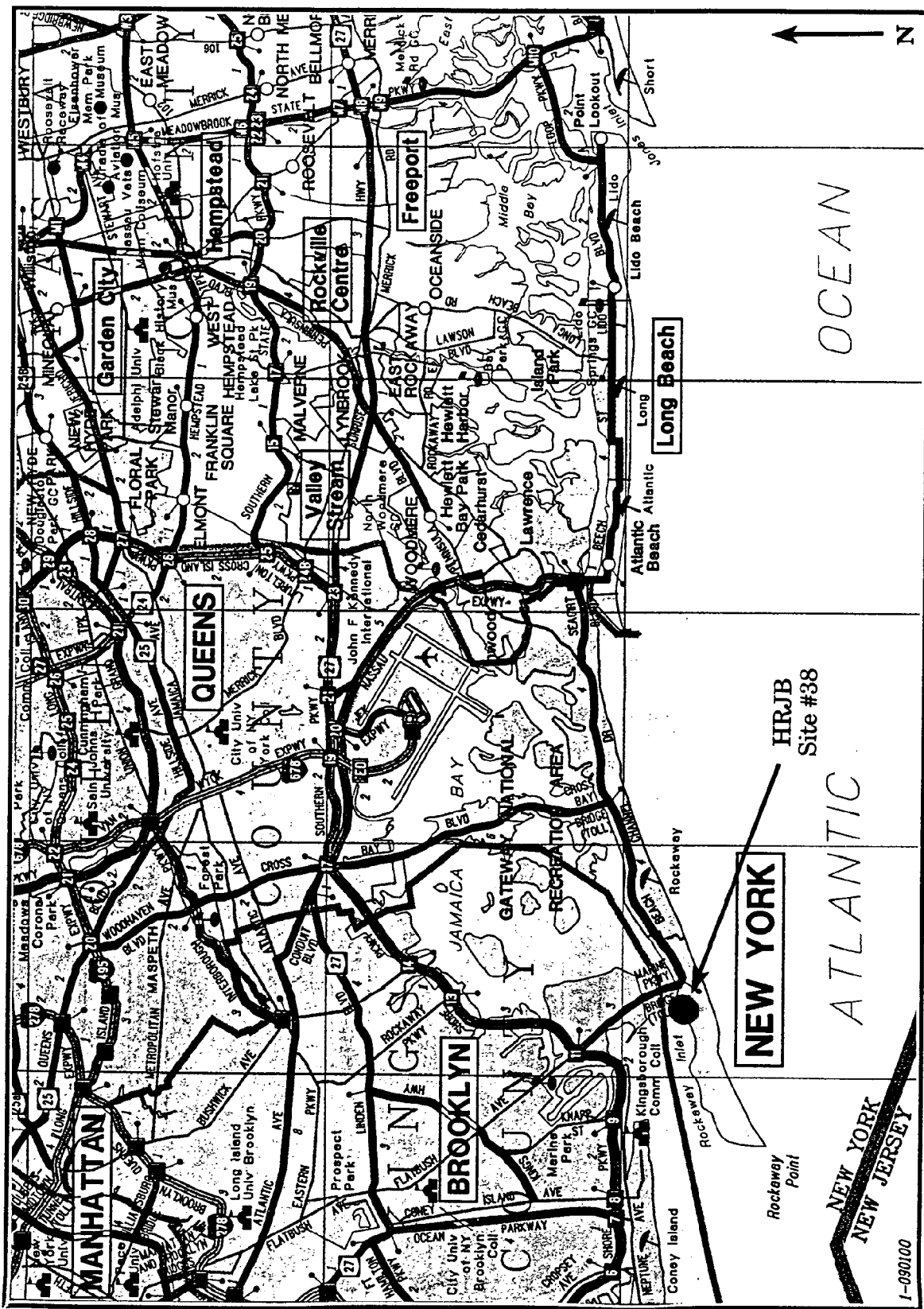
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

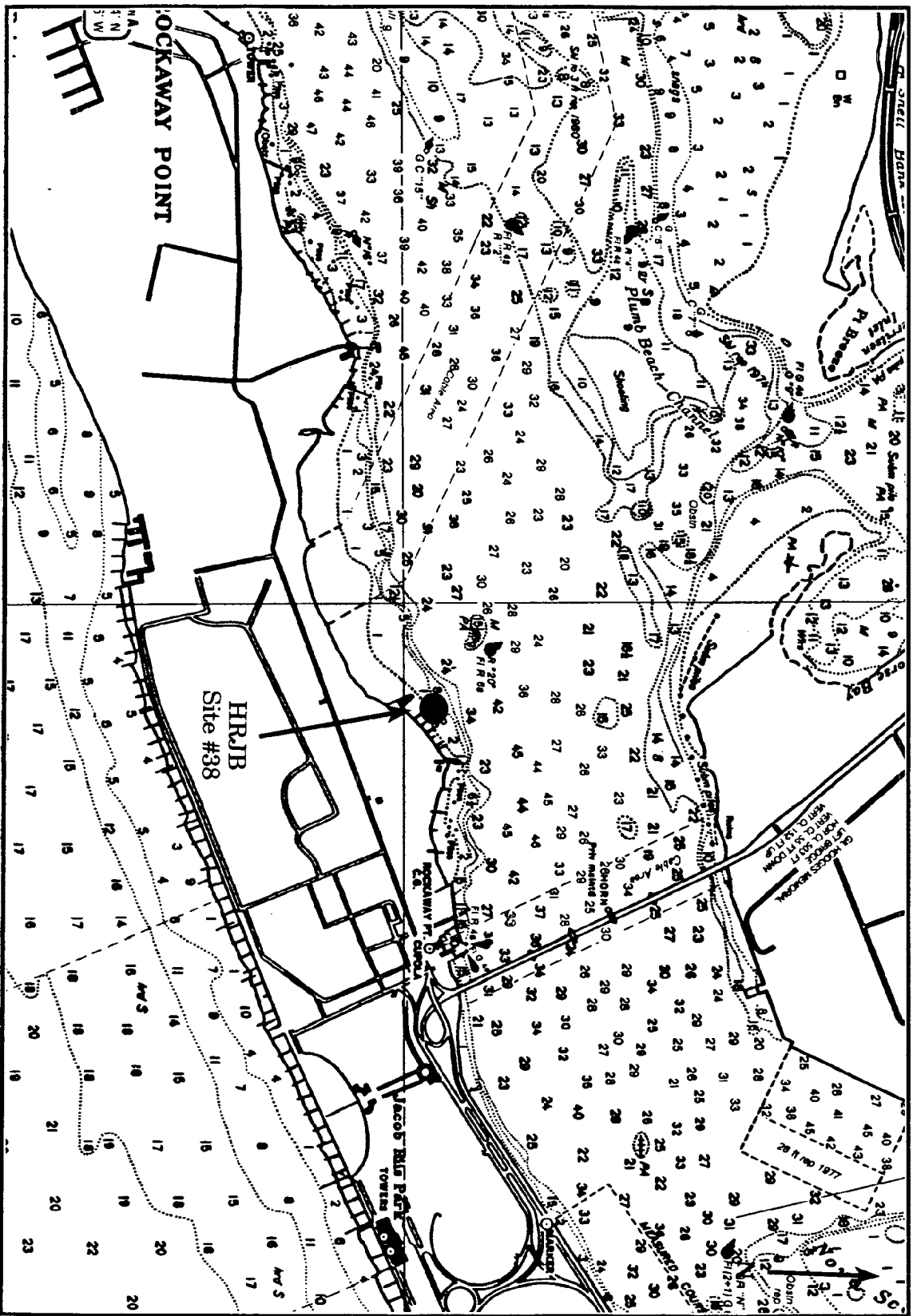
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. There is a great potential for contamination as the New York area is a vast metropolitan complex and major port.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	28.0	6.3	12/15/94



Site #38 (HRJB), Hudson Raritan Estuary Jamaica Bay.



Site #38 (HRJB), Hud./Rar. Estuary Jamaica Bay (from chart 12350).



Site #38 (HRJB), Hud./Rar. Estuary Jamaica Bay



GERG SITE NUMBER - 39

DESIGNATOR - HRUB

SITE - UPPER BAY, HUDSON-RARITAN ESTUARY, NY

NOMINAL SITE CENTER - 40°41.36'N 74°02.59'W

LOCATED ON NOS CHART # - 12327

SITE ACCESS - The site has to be accessed by boat, that can be launched at the Liberty Park boat ramps, in New Jersey. The site is on Liberty Island, on the northeast corner.

SITE DESCRIPTION - The nominal center of the site is on the rocky shoreline on the northeast corner of Liberty Island. The site extends from the pier south to the next corner of the island. Station 1 is about half way down the side of the island in the intertidal zone. Station 2 is situated in the area adjacent to the pier and Station 3 is at the opposite end of that side of the island.

BIVALVE COLLECTIONS

1995 The mussel population was very small, with few mussels larger than 4 cm. The mussels were partially buried in the sediments under the rocks, or attached to the underside of the rocks. Care should be taken in sampling this site as it is exposed to the weather and waves. Large wakes displaced by vessels entering and leaving the Harbor have to be carefully watched.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

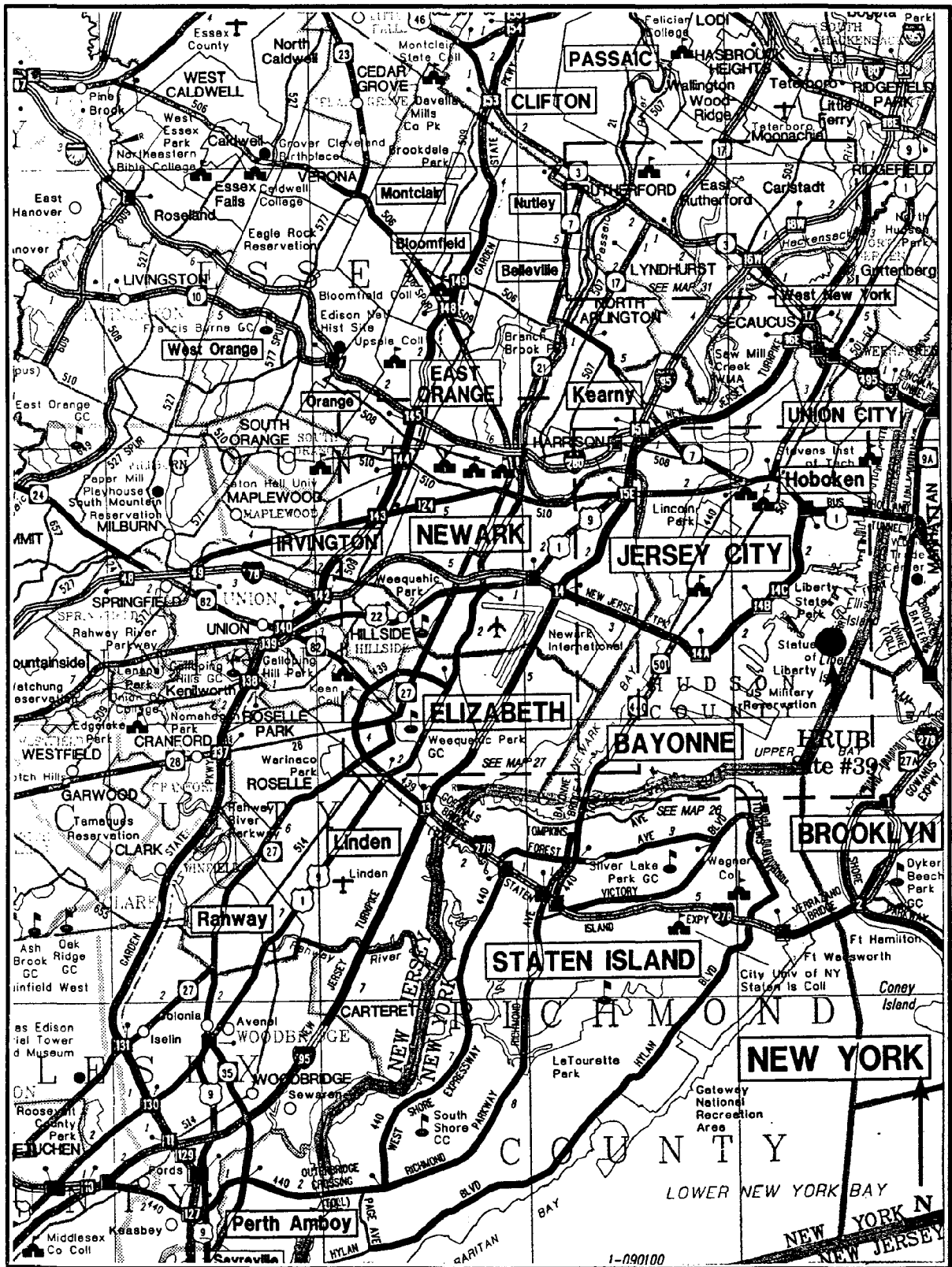
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

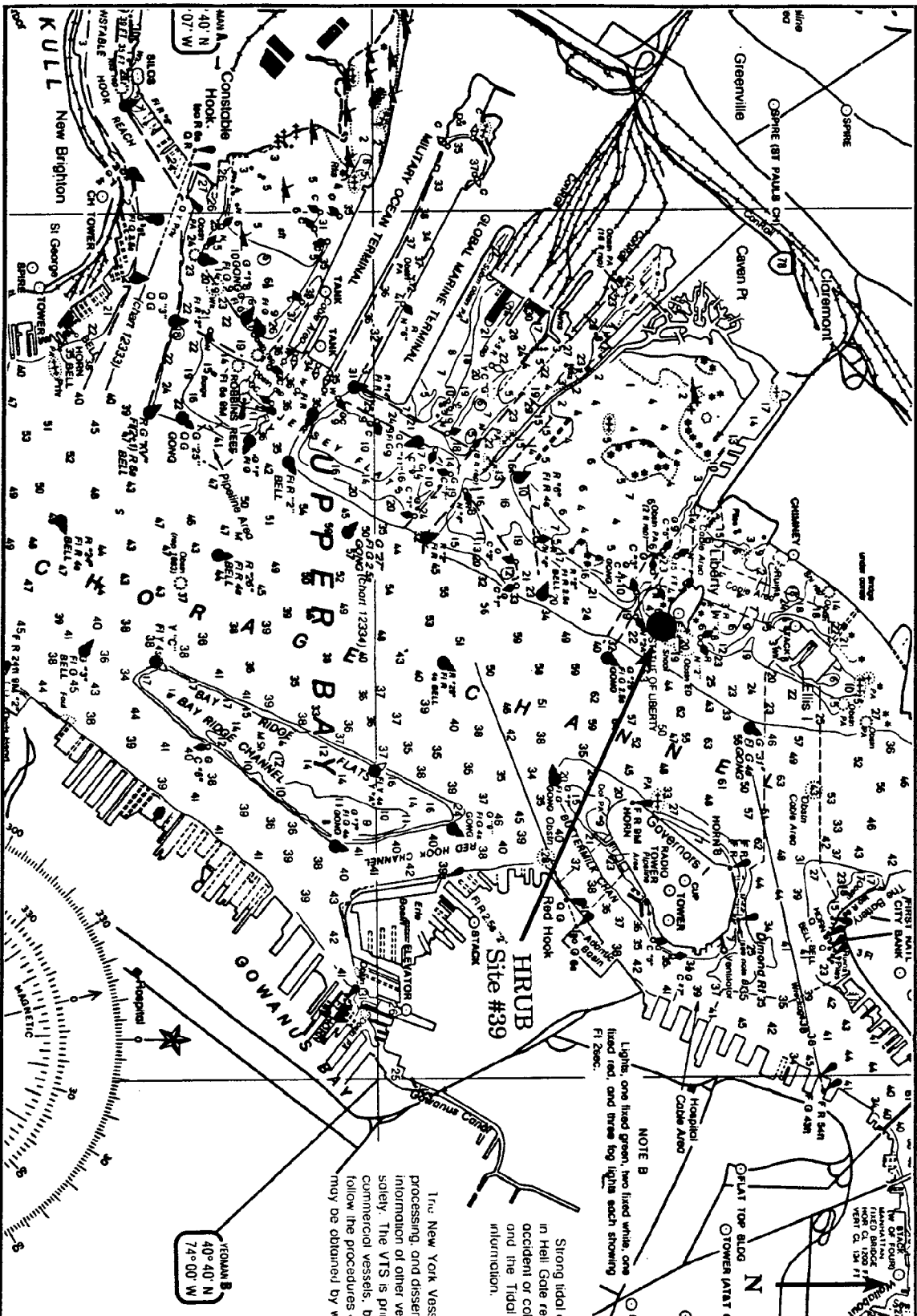
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. The potential for contamination is present in many forms, as New York is a major port and metropolitan area.

ENVIRONMENTAL DATA

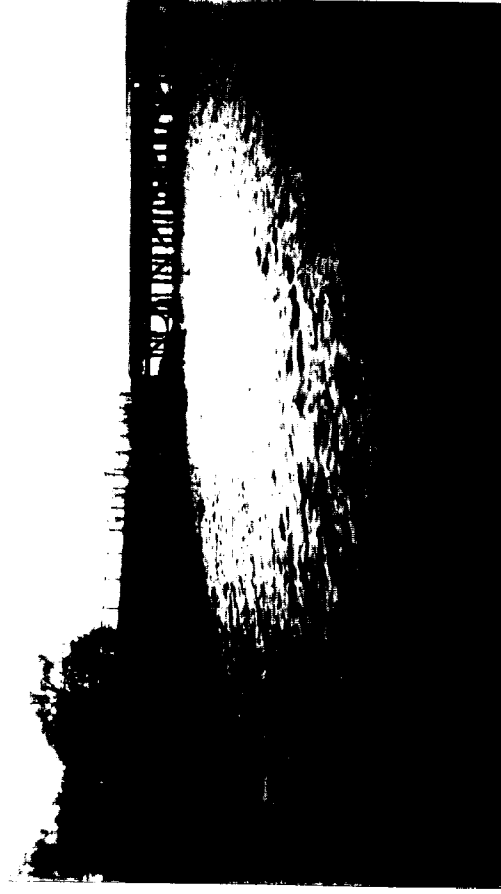
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	23.0	7.1	12/18/94



Site #39 (HRUB), Hudson Raritan Estuary Upper Bay.



Site #39 (HRUB), Hud./Rar. Estuary Upper Bay (from chart 12334).



Site #39 (HRUB), Hud./Rar. Estuary Upper Bay



GERG SITE NUMBER - 40

DESIGNATOR - HRLB

SITE - LOWER BAY (SWINBURNE IS.), HUDSON-RARITAN ESTUARY, NY

NOMINAL SITE CENTER - 40°33.96'N 74°03.05'W

LOCATED ON NOS CHART # - 12327

SITE ACCESS - A boat is needed to access Swinburne Island, in Lower Bay. Landmarks on the island are several old dilapidated red brick buildings. The waters surrounding the island are very shallow, with the intertidal area being covered with rock and rubble. Care should be taken in approaching, with the best avenue being from the west.

SITE DESCRIPTION - The site is located in a small cove on the northwest corner of the island. The stations were situated around the edges of the cove. Station 1 is near the tip of the jetty forming the northwestern margin of the cove. There is a large iron pulley and iron pipe just to the landward of the station. Station 2 is at the island end of a low tide spit of rocks and Station 3 is at the seaward end of the spit. Station 3 is in the center of a "T" in the rocks.

BIVALVE COLLECTIONS

1995 There were numerous mussels attached to the rocks around the cove. They were generally above the low tide line and were found in small crevasses and cavities in the rocks. Care should be taken when collecting this site, as the wind and waves are fully exposed here. This site has to be collected at low tide.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

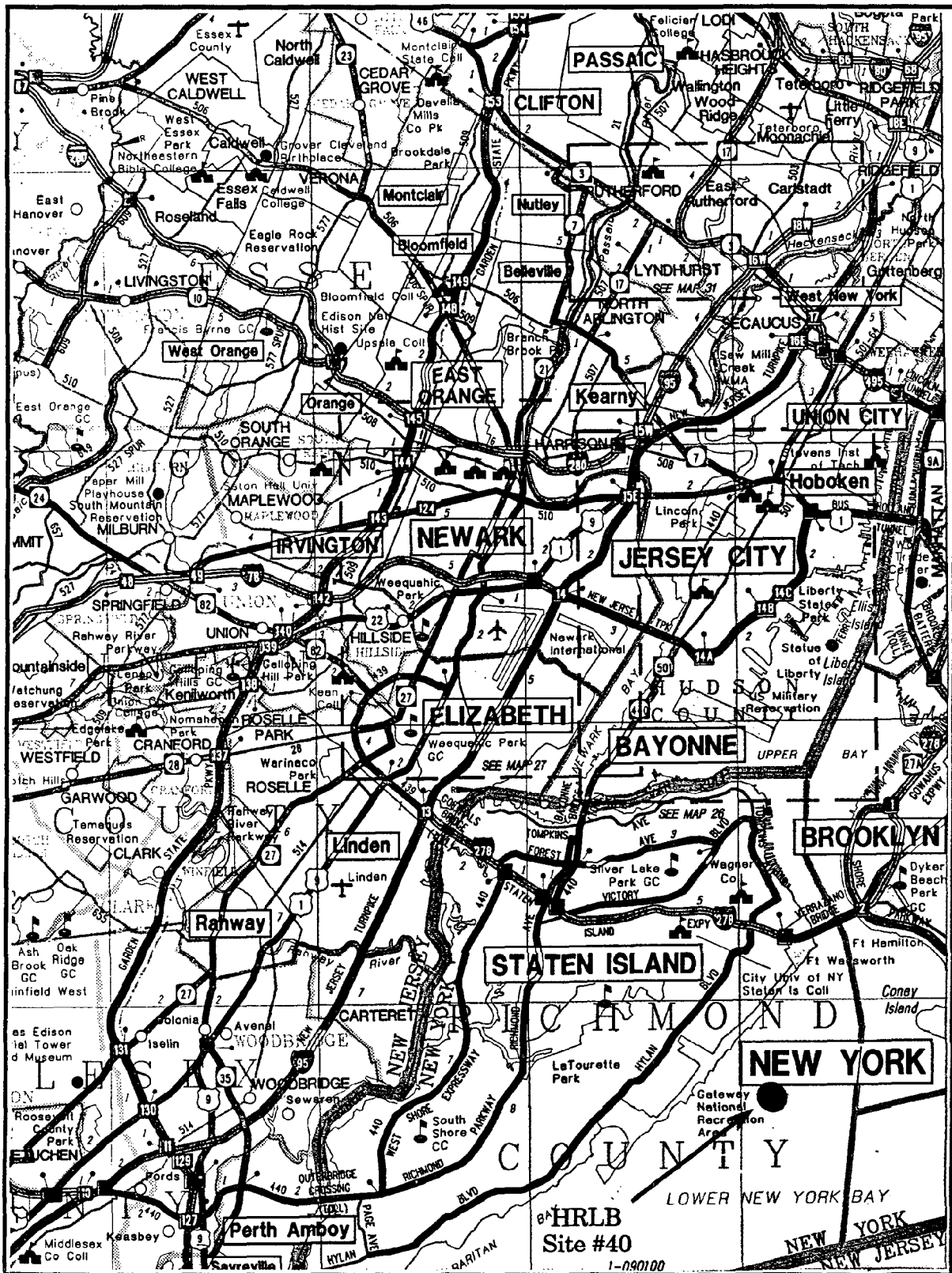
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

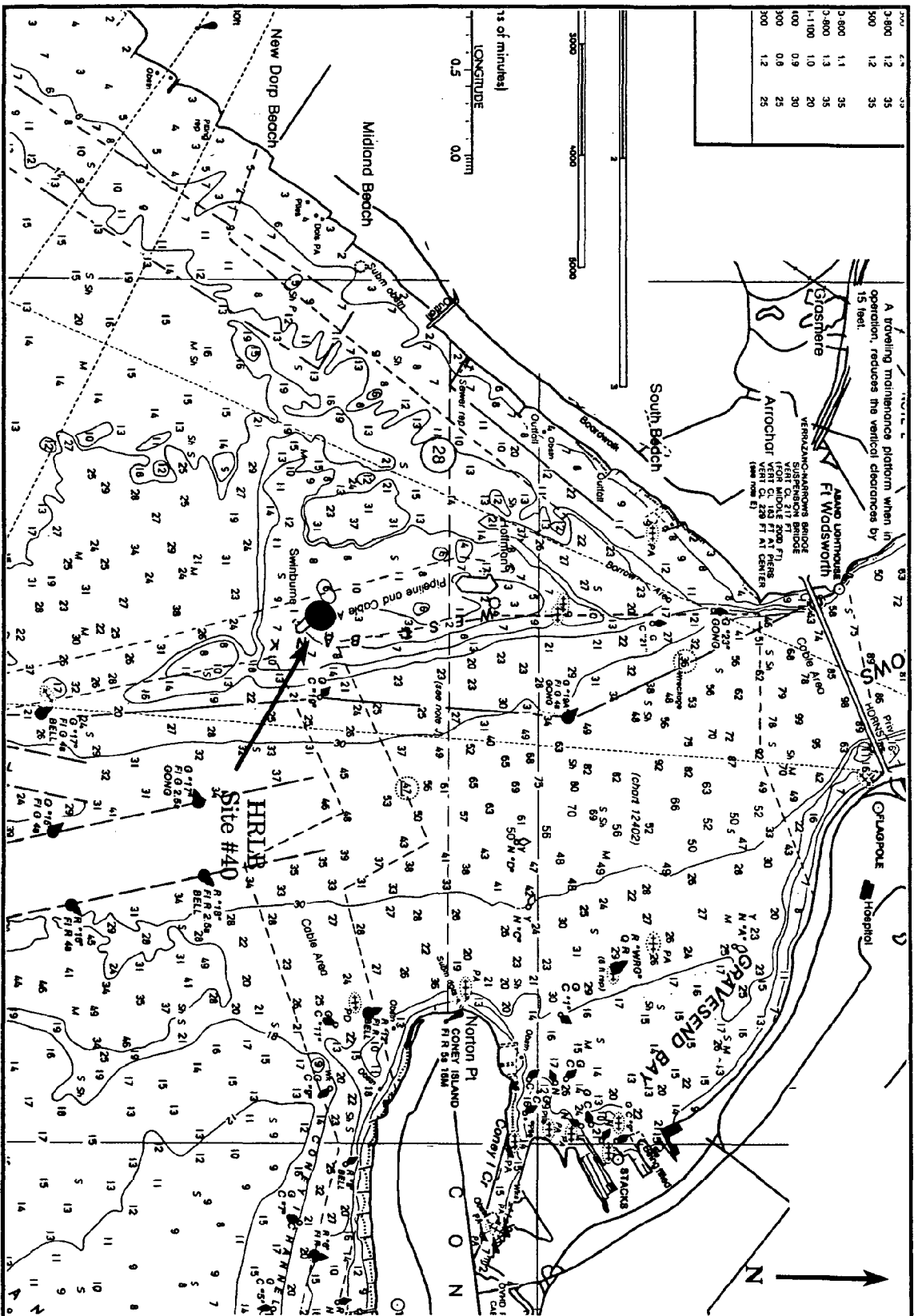
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. There is a large potential for contamination from the outflow from the Hudson River, the New York Harbor and Metropolitan area, etc.

ENVIRONMENTAL DATA

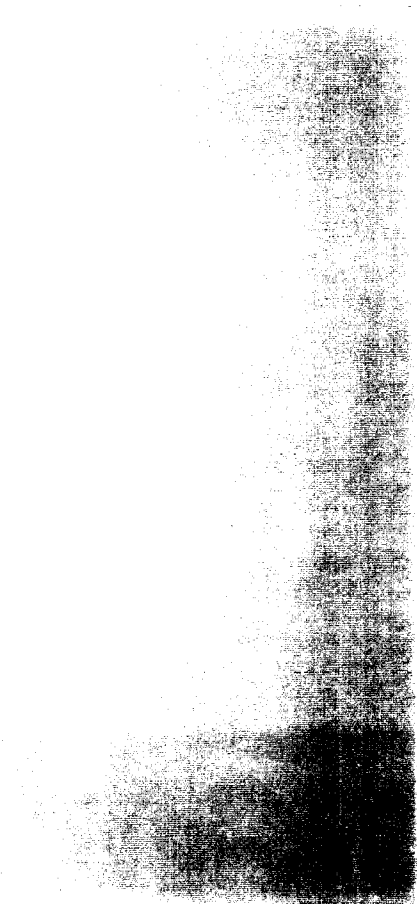
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	21.0	6.0	12/15/94



Site #40 (HRLB), Hudson Raritan Estuary Lower Bay.



Site #40 (HRLB), Hud./Rar. Estuary Lower Bay (from chart 12402).



Site #40 (HRLB), Hud./Rar. Estuary Lower Bay



NEW JERSEY SITES

GERG SITE NUMBER - 41

DESIGNATOR - HRRB

SITE - RARITAN BAY, HUDSON-RARITAN ESTUARY, NJ

NOMINAL SITE CENTER - 40°31.14'N 74°11.07'W

LOCATED ON NOS CHART # - 12327

SITE ACCESS - From New Jersey, take Hwy. 440 to Staten Island across the Outerbridge (tool-bridge). Just after the toll booth, take Page Ave. onto Hylan - turn left. Follow Hylan to Huguenot Ave. and turn right. Huguenot will dead end at the site. The surrounding area is built up, with the house on the left being new.

SITE DESCRIPTION - The site is located at the three rock jetties, one at the end of Huguenot Street and the others further to the right. Station 1 is on the jetty at the end of Huguenot Street, Station 2 is on the short wide jetty to the west of Station 1 and Station 3 is on the westernmost narrow jetty with a row of decaying pilings.

BIVALVE COLLECTIONS

1995 There was a good population of Blue Mussels at the site that were easy to collect. Care should be taken with the identification of the mussels as the majority of the mussels are Ribbed Mussels. This is a low tide collection site.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

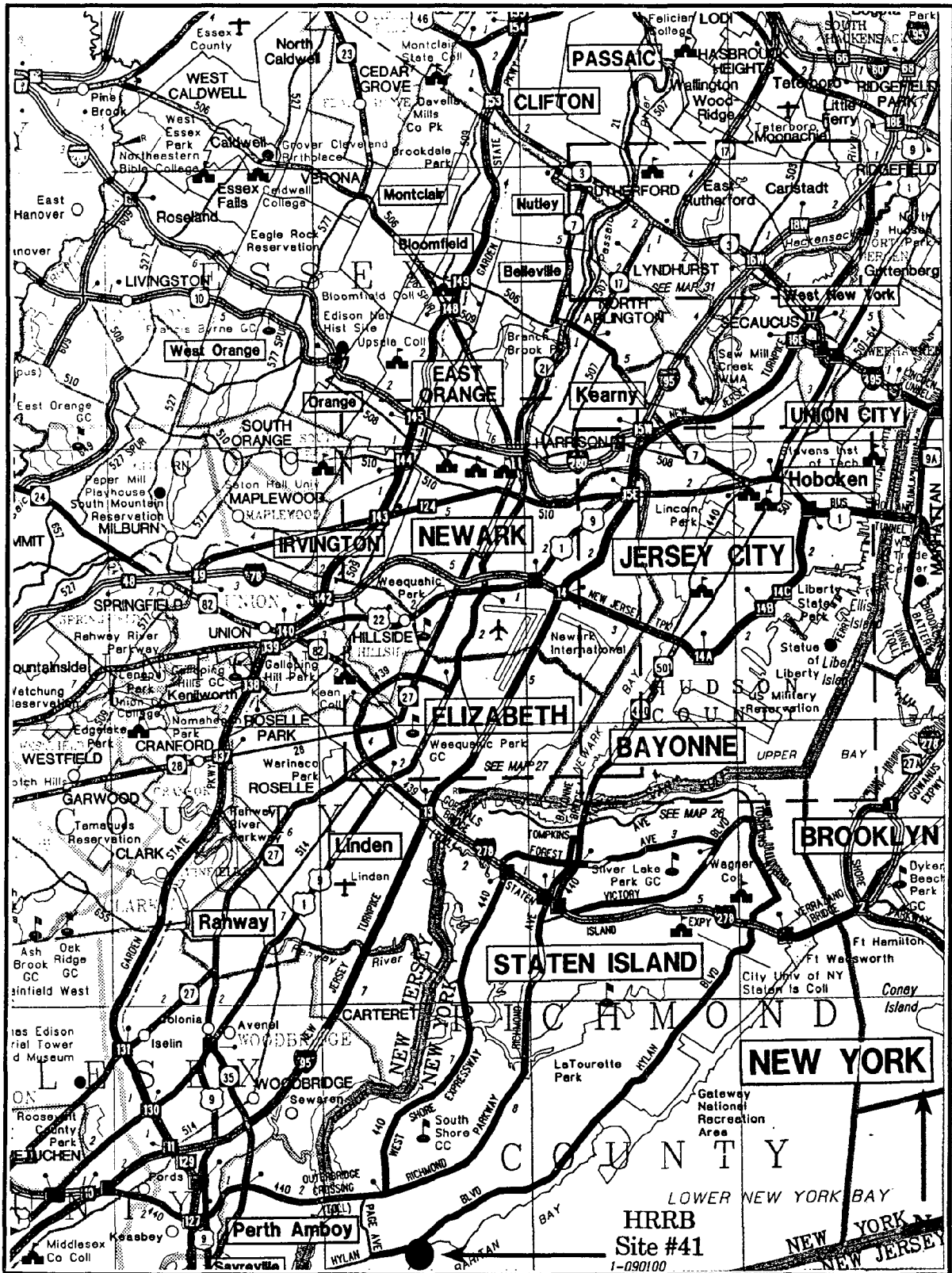
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

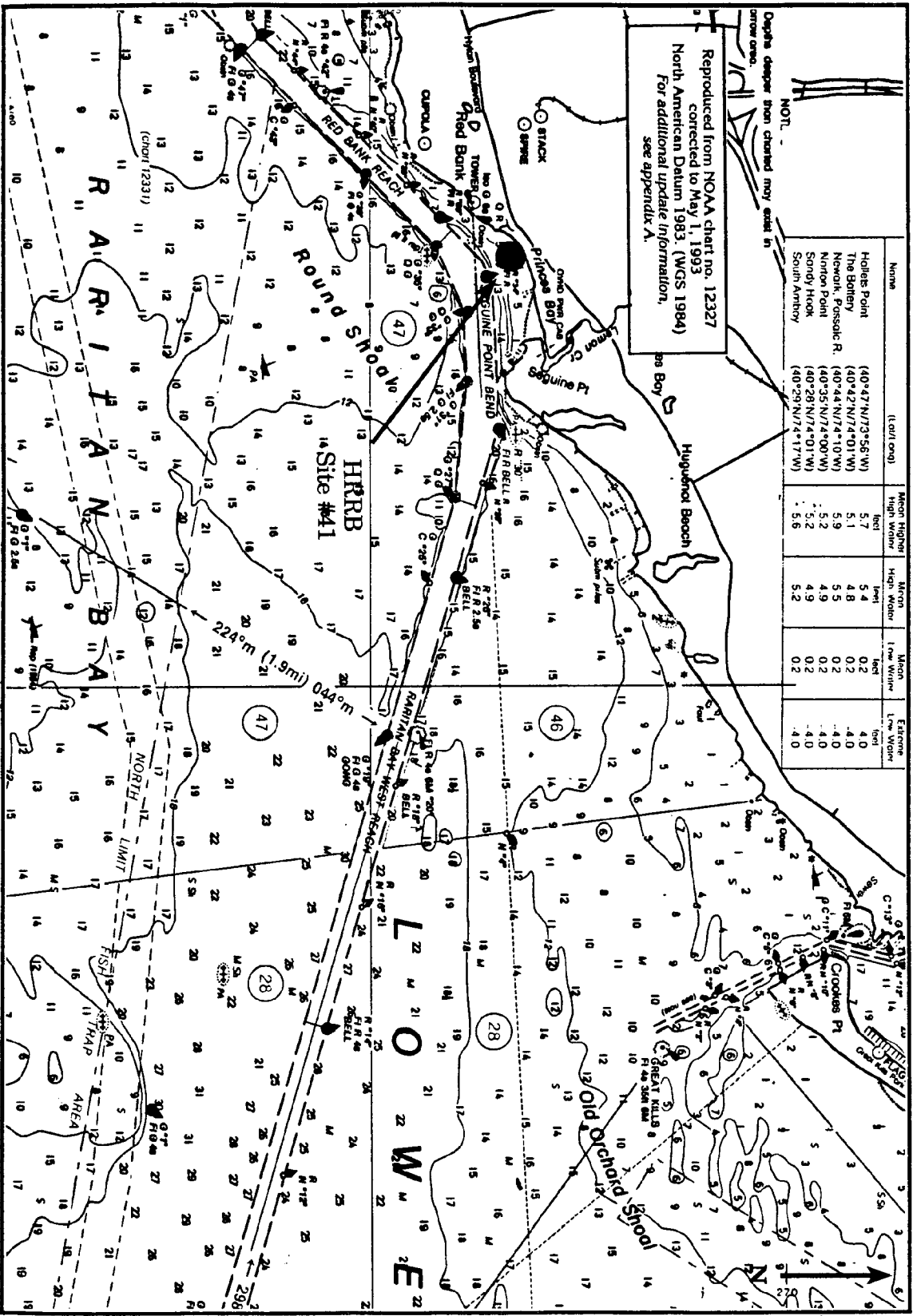
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. The potential for contamination is present as the New York metropolitan area and harbor is just around the corner.

ENVIRONMENTAL DATA

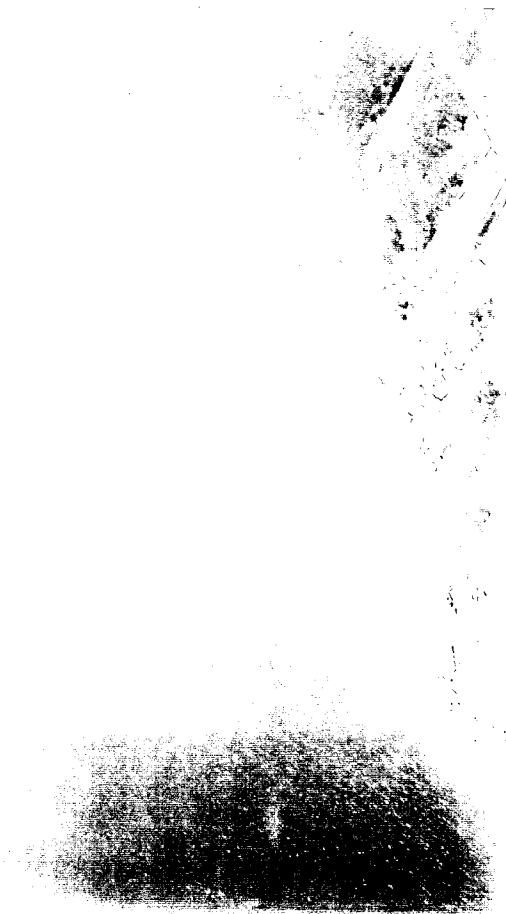
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	23.0	5.5	12/16/94



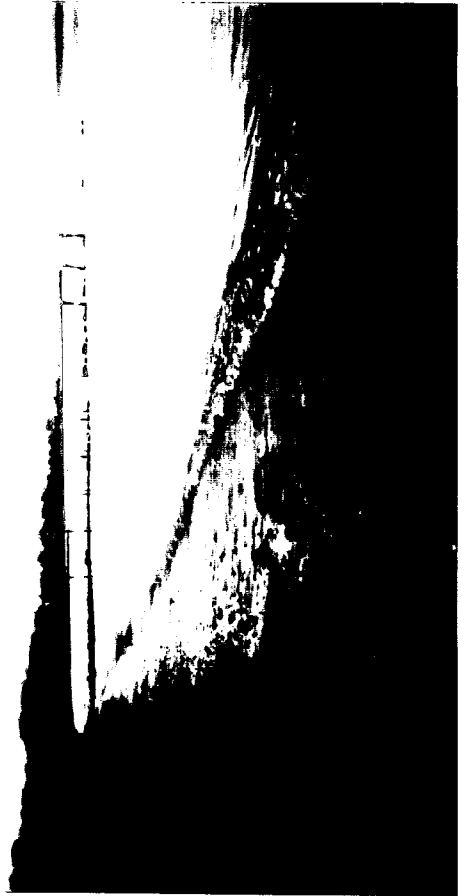
Site #41 (HRRB), Hudson Raritan Estuary Raritan Bay.



Site #41 (HRRB), Hud./Rar. Estuary Raritan Bay (from chart 12331).



Site #41 (HRRB), Hud./Rar. Estuary Raritan Bay



GERG SITE NUMBER - 42

DESIGNATOR - NYSH

SITE - SANDY HOOK, NEW YORK BIGHT, NJ

NOMINAL SITE CENTER - 40°29.25'N 74°02.00'W

LOCATED ON NOS CHART # - 12327

SITE ACCESS - This site has to be accessed by boat, and collected by dredge. There is a good boat ramp at Highlands, in the New Jersey docks. Run time to the site was about 30 minutes, across the New York Bight towards Sandy Hook. The mussel beds are just off the main shipping channel, so a good watch should be kept on the local shipping traffic.

SITE DESCRIPTION - The original site is north of the Raritan Bay East Reach Channel and west of the Chapel Hill South Channel, close to where they cross one another. No live mussels were found here so the site was moved 0.5 miles to the east-southeast.

BIVALVE COLLECTIONS

1995 There was a good mussel population at the new site, with lots of mussels of over 5 cm being common. There is a vast quantity of old shell forming the substrate here, and this made up the bulk of the dredge hauls.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Mussels - SS dredge

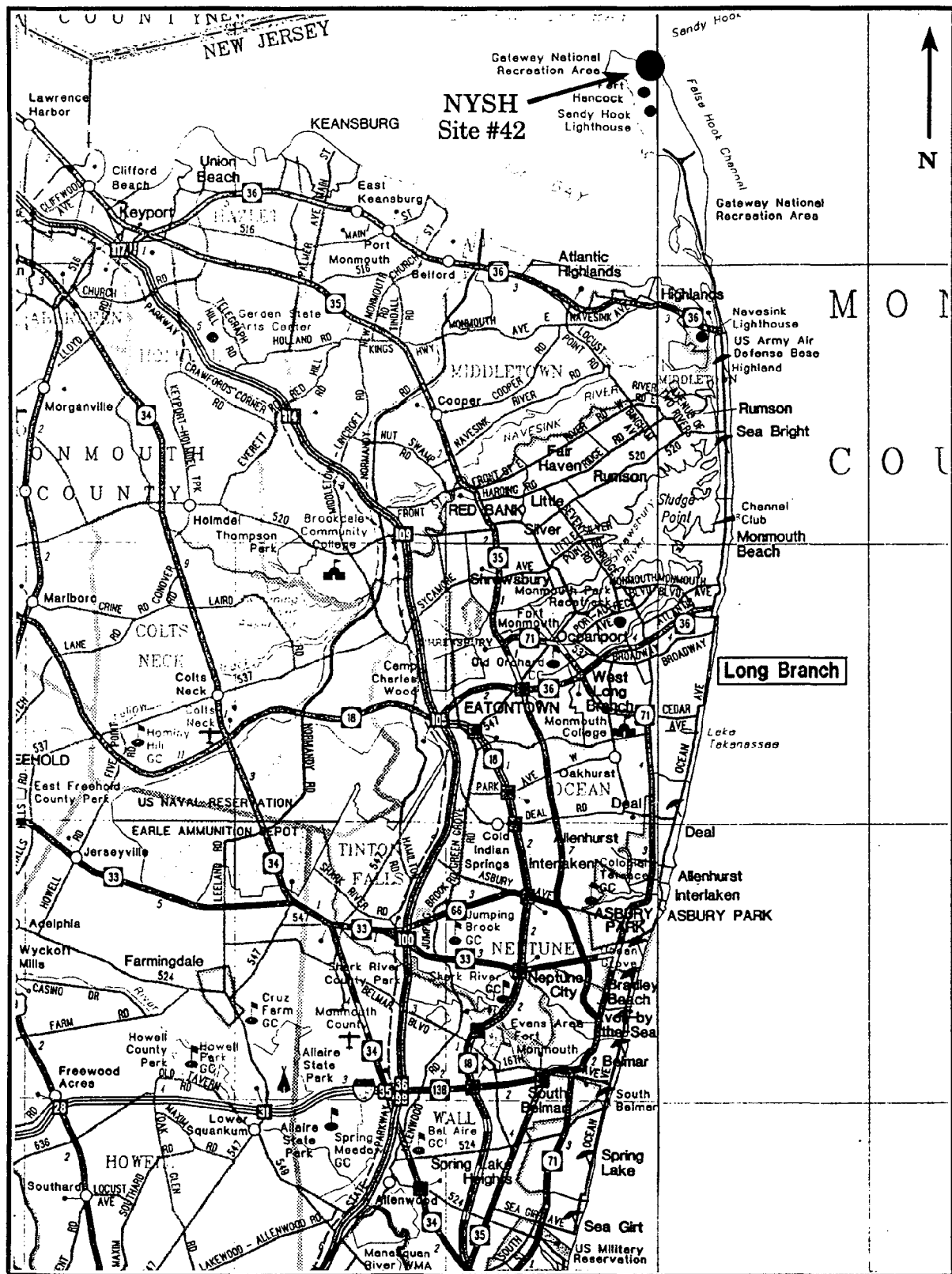
Sediments - N/A

WATER DEPTH - subtidal, 6.5 to 9.0 m

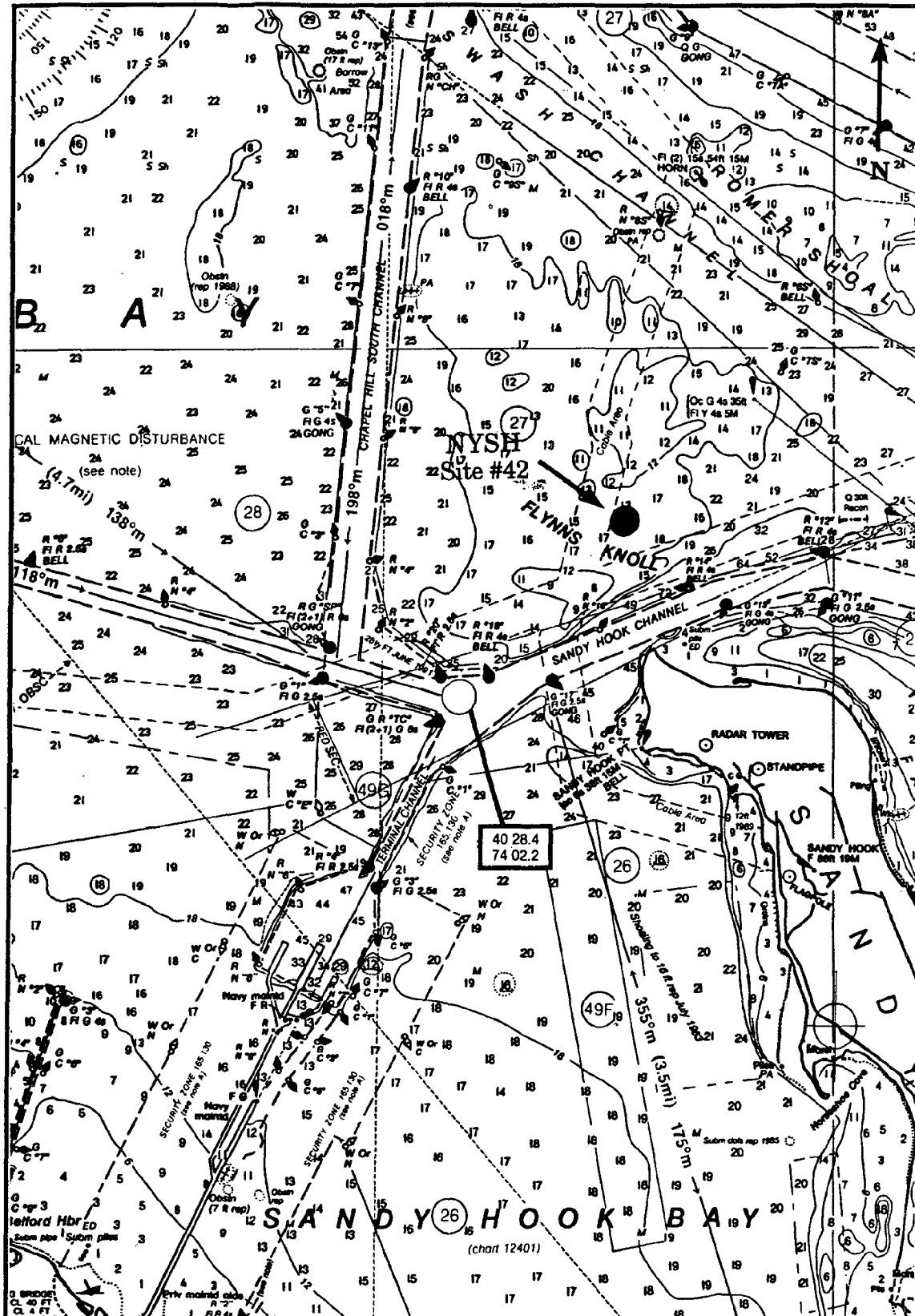
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. However, this site is located in the middle of several busy shipping lanes leading into New York Harbor and Metropolitan area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	25.0	7.2	12/18/94



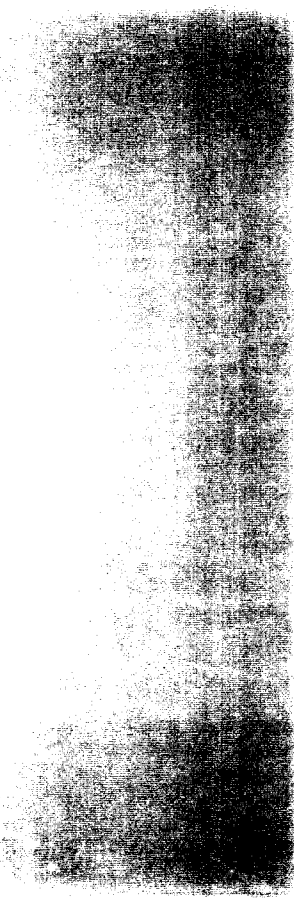
Site #42 (NYSH), New York Bight Sandy Hook.



Site #42 (NYSH), New York Bight Sandy Hook (from chart 12401).



Site #42 (NYSH), New York Bight Sandy Hook



GERG SITE NUMBER - 43

DESIGNATOR - NYLB

SITE - LONG BRANCH, NEW YORK BIGHT, NJ

NOMINAL SITE CENTER - 40°17.69'N 73°58.72'W

LOCATED ON NOS CHART # - 12324

SITE ACCESS - In New Jersey, travel south on Hwy. 36, which is also called Ocean Blvd. Stay on Ocean Blvd. (becomes County 57) when Hwy. 36 heads inland. Turn left after the first set of lights after the Hilton Hotel, onto Chelsea Ave. Chelsea Ave. dead ends so turn right onto Ocean Ave. The site is on the shoreline opposite Nonnia's Restaurant, where there is adequate parking and brick restrooms on the sea-wall.

SITE DESCRIPTION - The site is located on the fifth jetty after the fishing pier, and is about 0.5 miles south of the pier. The granite jetty is concreted on top to provide a good walking surface. Station 1 is on the north side of the jetty at the first intertidal rock area. Station 2 is on the outer tip of the jetty and Station 3 is on the south side of the jetty about half way between Stations 1 & 2.

BIVALVE COLLECTIONS

1995 There is a very large mussel population here, with all of the available space in the intertidal area being covered with mussels. Care should be taken here as large waves regularly wash over the entire jetty in rough weather.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

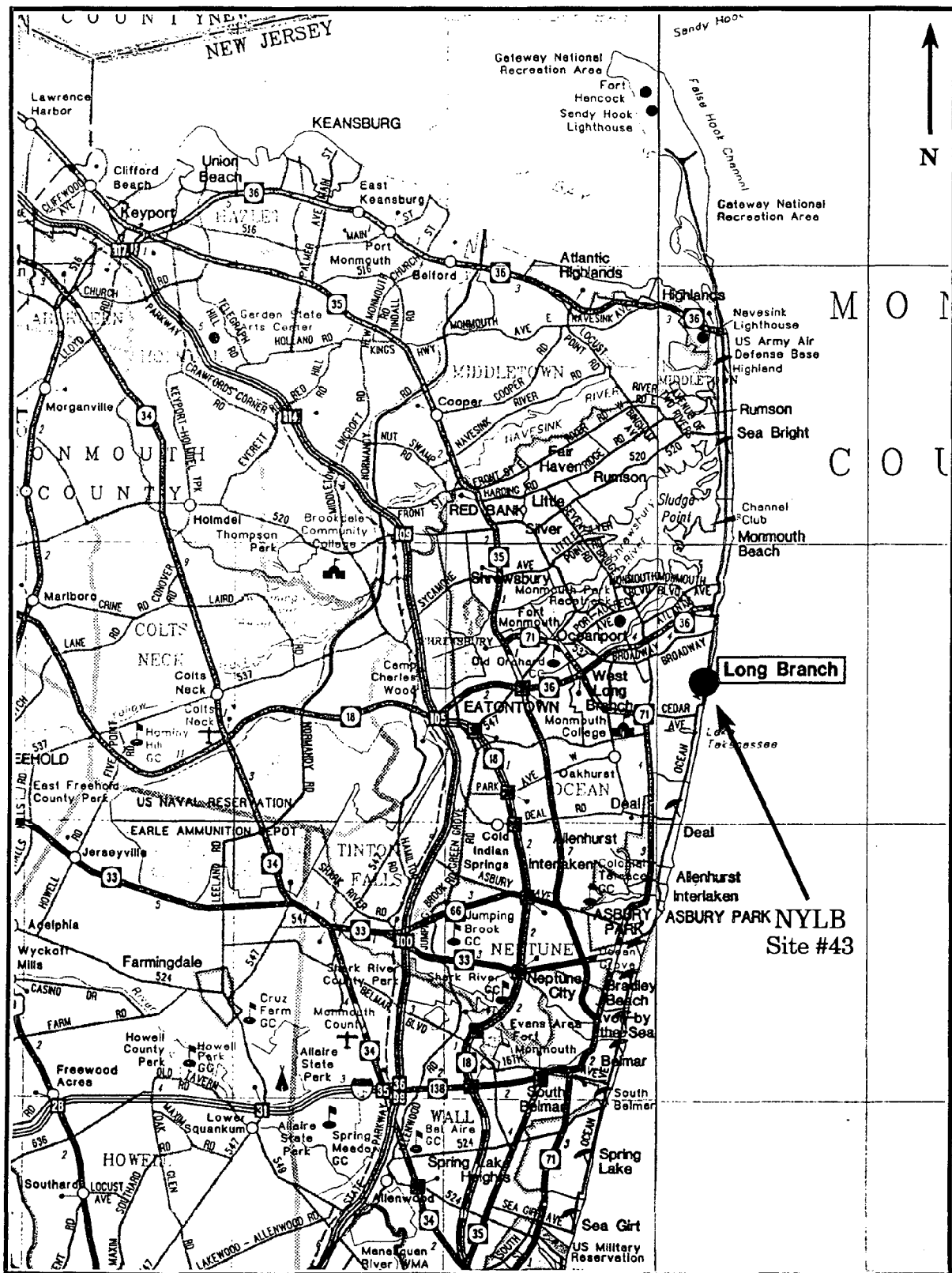
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

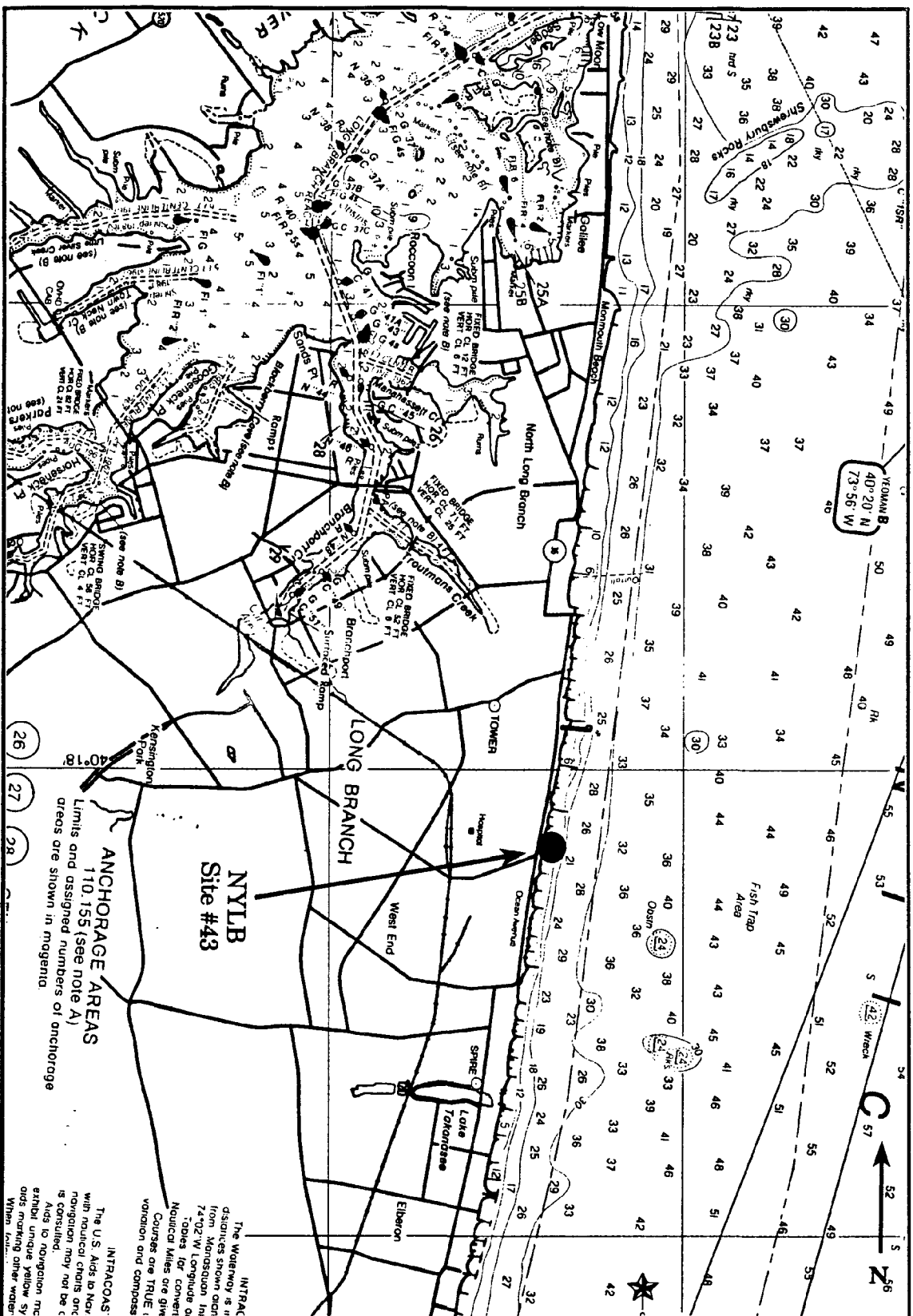
ENVIRONMENTAL DATA

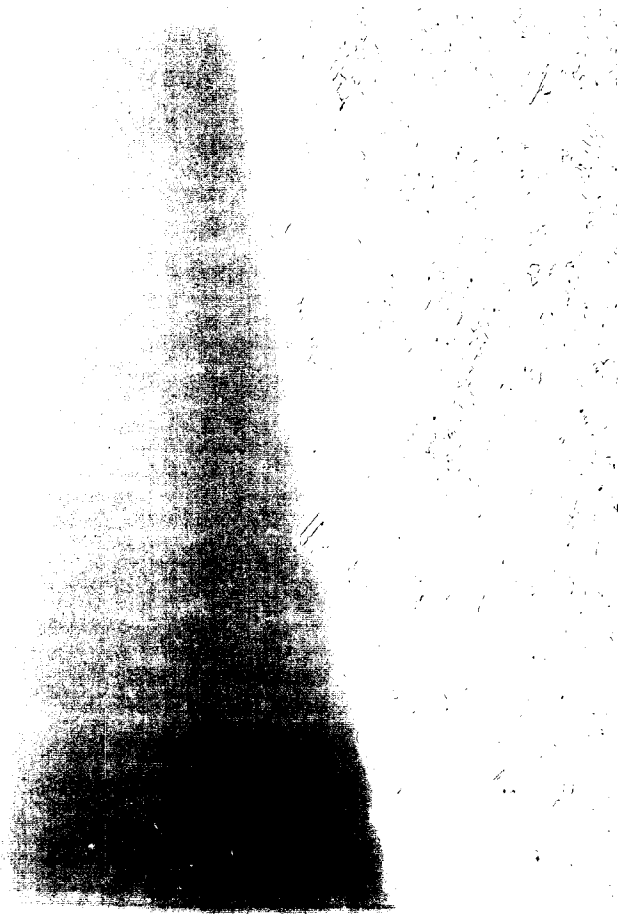
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	32.0	7.3	12/19/94



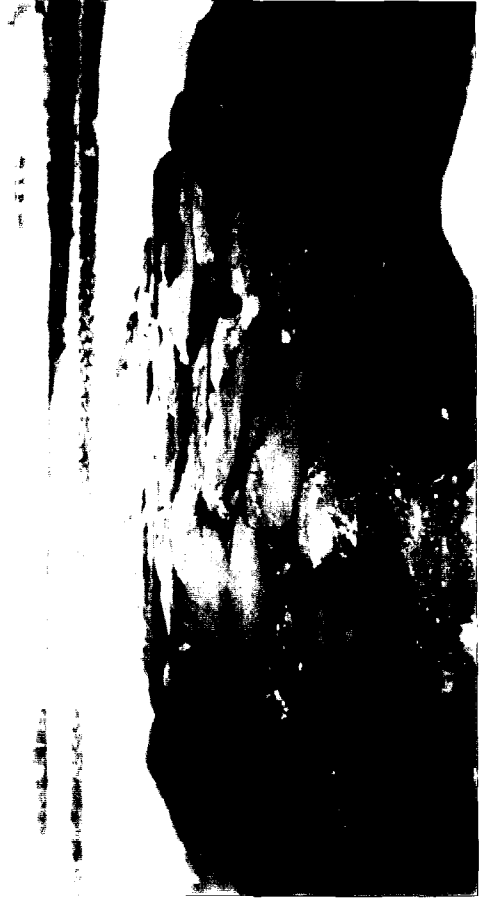
Site #43 (NYLB), New York Bight Long Branch.

Site #43 (NYLB), New York Bight Long Branch (from chart 12324).





Site #43 (NYLB), New York Bight Long Branch



GERG SITE NUMBER - 44

DESIGNATOR - NYSR

SITE - SHARK RIVER, NEW YORK BIGHT, NJ

NOMINAL SITE CENTER - 40°11.22'N 74°00.54'W

LOCATED ON NOS CHART # - 12324

SITE ACCESS - In New Jersey, travel south on Hwy. 36 to Long Branch. In Long Branch Hwy. 36 heads inland, stay on Ocean Blvd. heading south. Hwy. 71 will join Ocean Blvd., continue on south towards Belmar. Turn left at the first set of lights after crossing the Shark's River Inlet, onto 5th Ave. This road dead ends into Ocean Ave. where you will turn left. The site is on the southern jetty of the Shark River Inlet. There is adequate parking at the Belmar Fishing Club house near the bridge.

SITE DESCRIPTION - The original site was on the south side of the southern jetty forming the Shark River Inlet. Beach replenishment and sand movement have left no live mussels on the south side of the jetty. The site was moved to the north side of the southern jetty in the Shark River Inlet. Station 1 is seaward of the bridge and behind the washed out retaining wall. Station 2 is located about 30 meters to the seaward of Station 1, and Station 3 is a further 50 meters along the jetty.

BIVALVE COLLECTIONS

1995 There was a good population of mussels attached to the rocks along the north side of the jetty. Care should be taken here as large waves enter the inlet from the Atlantic, and wash along the jetty.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

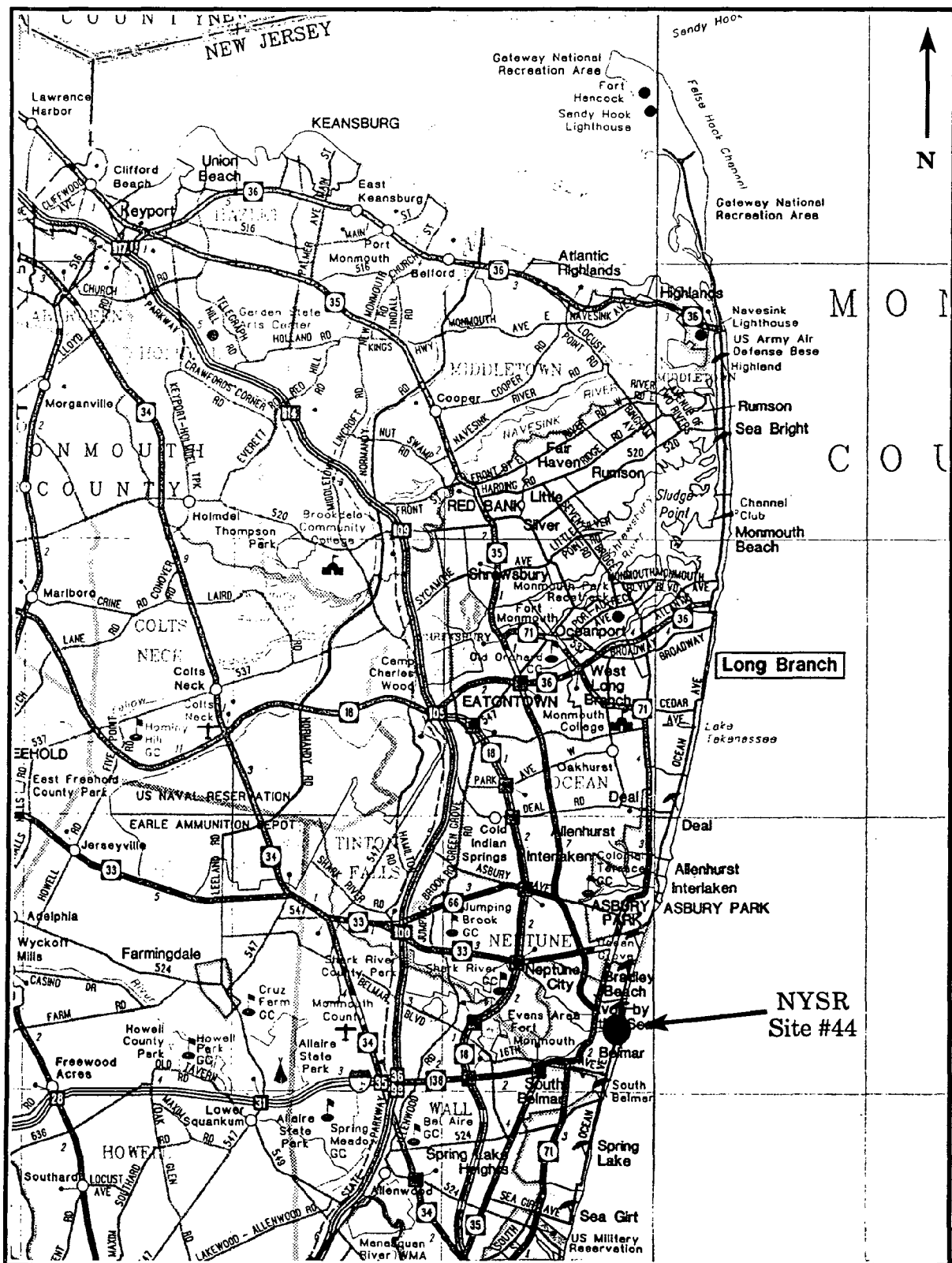
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

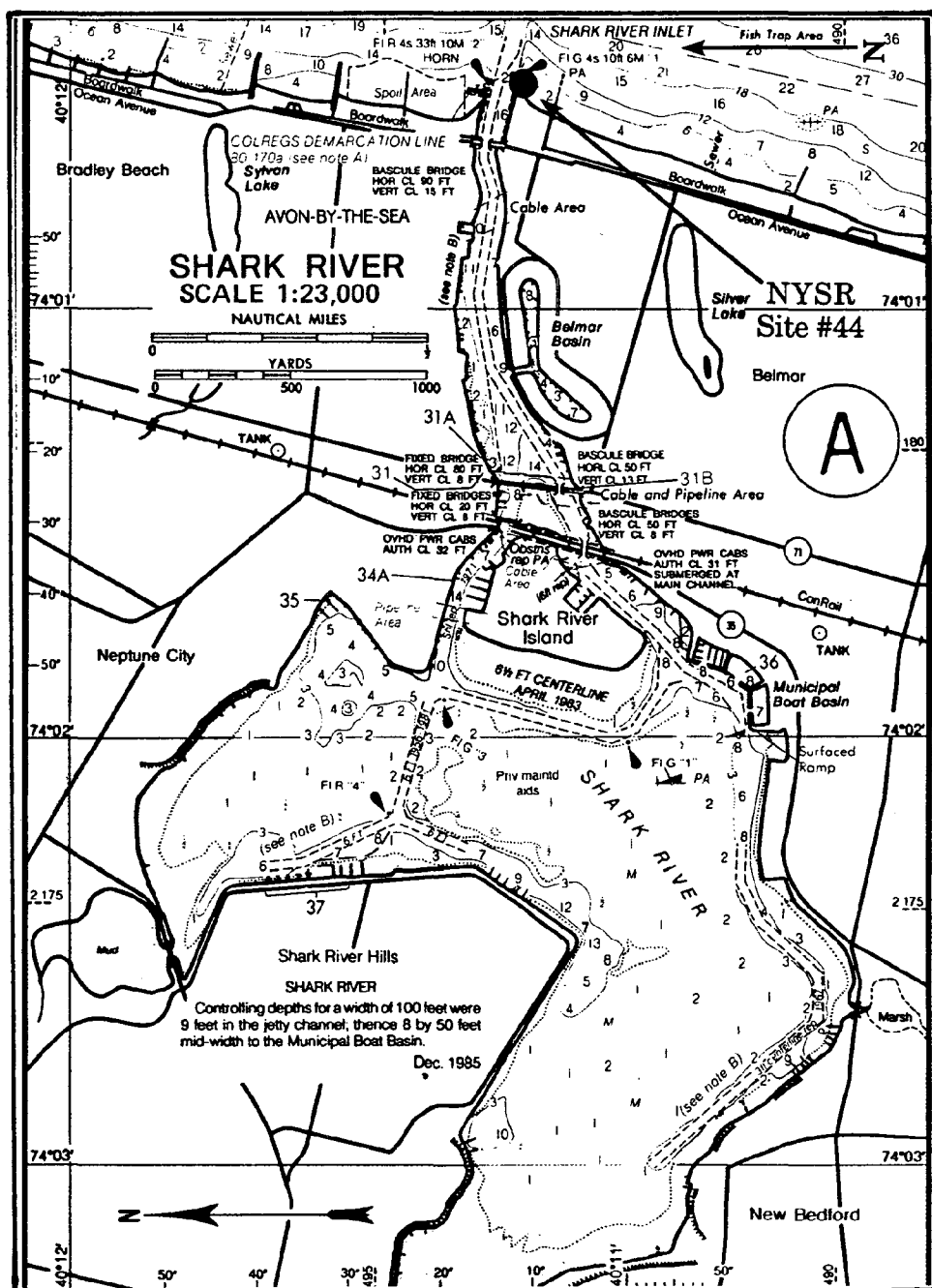
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

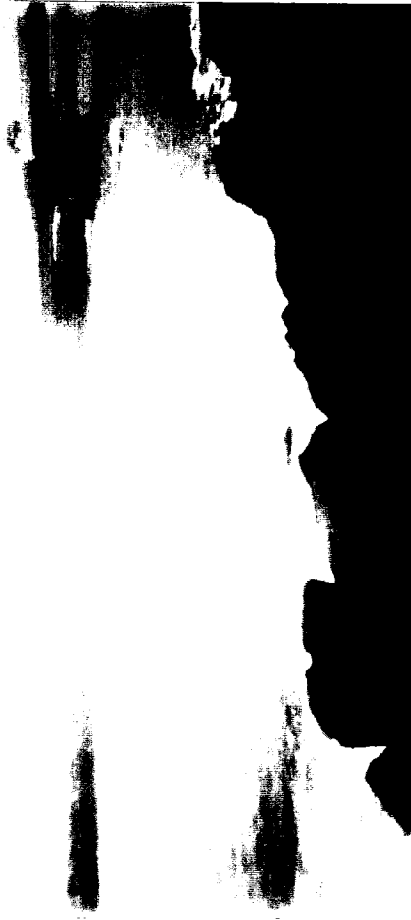
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	8.4	12/14/94



Site #44 (NYSR), New York Bight Shark River.

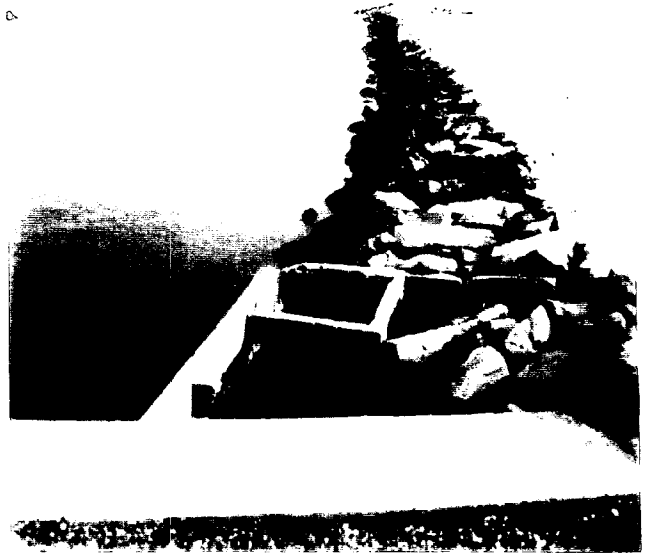


Site #44 (NYSR), New York Bight Shark River (from chart 12324).



Site #44 (NYSR), New York Bight Shark River

9



GERG SITE NUMBER - 47

DESIGNATOR - DBCM

SITE - CAPE MAY, DELAWARE BAY, NJ

NOMINAL SITE CENTER - 38°58.93'N 74°57.68'W

LOCATED ON NOS CHART # - 12304

SITE ACCESS - In New Jersey, follow the Garden State Parkway south to the Cape May and take the Lewes Ferry exit going west. This is US 9 (or Hwy. 109), follow the road to North Cape May. When US 9 forms a "Y" and goes left into the ferry terminal, keep going straight and onto Lincoln Blvd. This road dead ends, turn right onto Beach Drive and go to Roslyn Ave. where there is parking. The site is located at the third jetty, which is slightly to the left of the parking area.

SITE DESCRIPTION - The site is located on a small wooden seawall with a rock island to the seaward. Station 1 is on the southern side of the rock area and near the landward end of the seawall. Station 2 is on the seaward tip of the jetty and Station 3 is on the northern side of the jetty at the landward end of the rock area. Stations 1 & 3 are directly opposite one another.

BIVALVE COLLECTIONS

1995 There was a good mussel population attached to the rocks in the entire area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

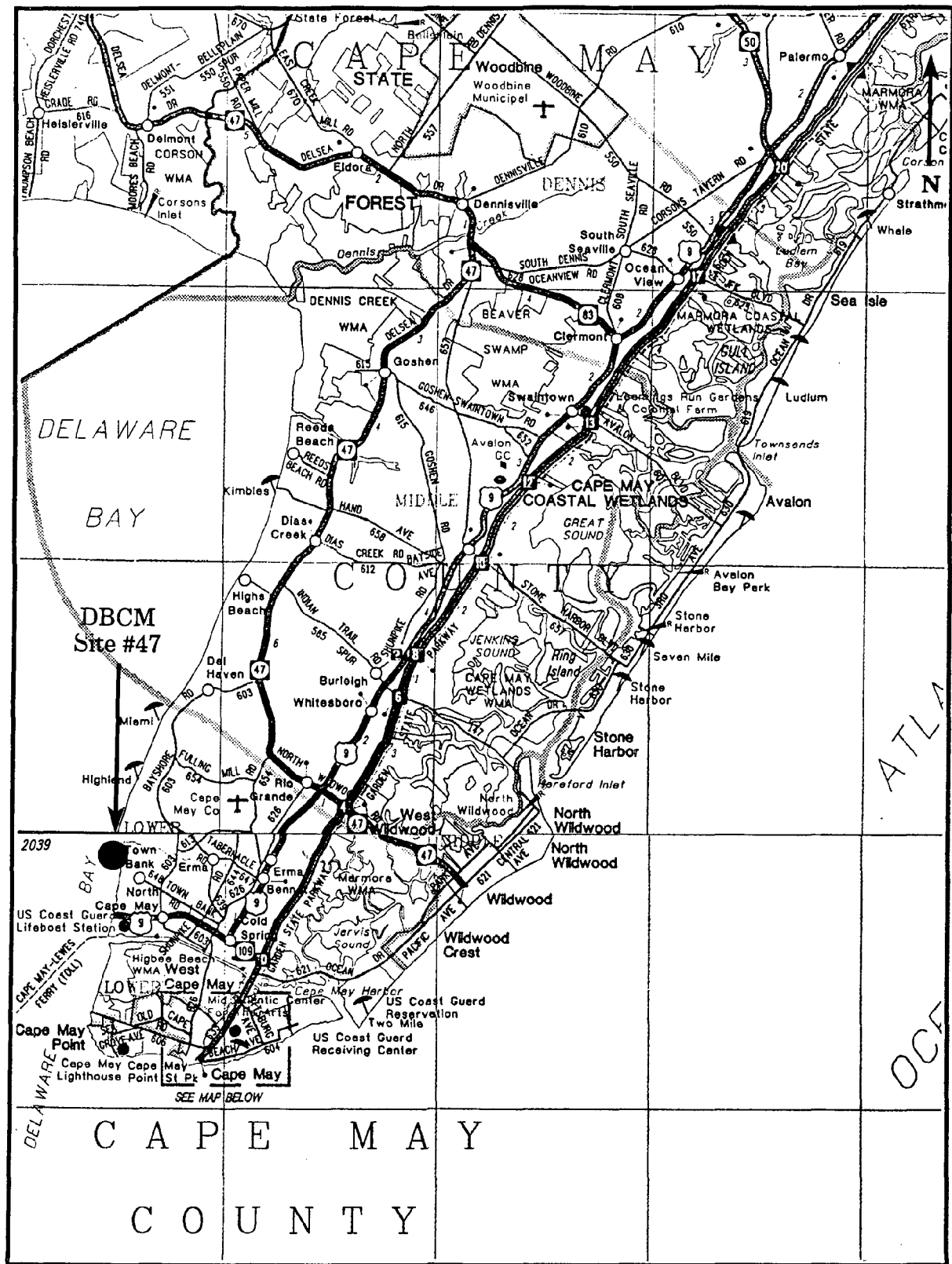
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 M

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	28.0	7.0	12/20/94



Site #47 (DBCM), Delaware Bay Cape May.



Site #47 (DBCM), Delaware Bay Cape May



GERG SITE NUMBER - 49

DESIGNATOR - DBBD

SITE - BEN DAVIS POINT SHOAL, DELAWARE BAY, NJ

NOMINAL SITE CENTER - 39°15.14'N 75°18.17'W

LOCATED ON NOS CHART # - 12304

SITE ACCESS - The site is easily accessed by boat from the Haskin Shellfish Research Lab in Port Norris, New Jersey.

SITE DESCRIPTION - No live oysters were found at the original site, as described in the NOAA ORCA 70. The site was moved about 1.2 nautical miles to the west, so as to place the site on the commercial oyster beds. There were no useful landmarks in the middle of the bay to provide a good reference point.

BIVALVE COLLECTIONS

1995 There was a good oyster population that was easily collected using a dredge. Many of the oysters were covered with red sponge, and some of the oysters had a coppery color to their shells. The oysters were found in both singles and clusters of large oysters.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Oysters - oyster dredge

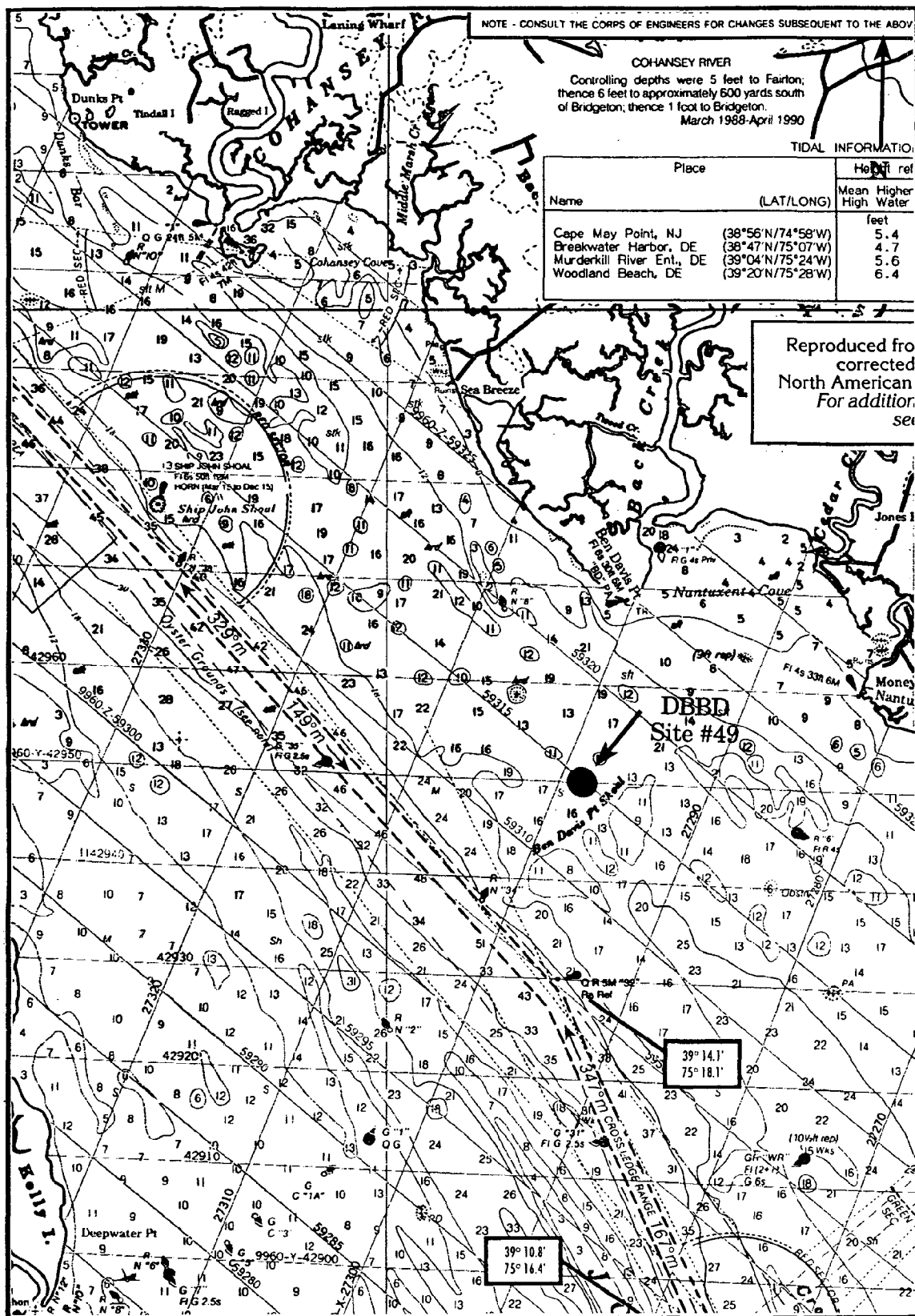
Sediments - N/A

WATER DEPTH - subtidal, 5.0 to 6.0 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	18.0	5.6	12/20/94



Site #49 (DBBD), Delaware Bay Ben Davis Pt. Shoal (from chart 12304).



Site #49 (DBBD), Delaware Bay Ben Davis Pt. Shoal



DELAWARE SITES

GERG SITE NUMBER - 54

DESIGNATOR - DBCH

SITE - CAPE HENLOPEN, DELAWARE BAY, DE

NOMINAL SITE CENTER - 38°47.01'N 75°07.23'W

LOCATED ON NOS CHART # - 12311

SITE ACCESS - In Maryland, follow Hwy. 1 south to US 9 East and then towards the Cape May - Lewes Ferry Terminal. There is adequate parking in the ferry terminal area or in the Pilot Point Community. From there, walk out and along to the site.

SITE DESCRIPTION - The site is located on the western side of the breakwater that forms the ferry harbor. The long seawall has a dog-leg turn in the middle to the east. The mussels were collected between the two lighted towers, Fl R 4 sec 27 ft and E Int R 2 sec 48 ft. Station 1 is about 30 meters past the bend, Station 2 is at the bend and Station 3 is about 30 meters before the bend.

BIVALVE COLLECTIONS

1995 There was a very good population of mussels all along the breakwater. Care should be taken here as the breakwater ices over in winter, and the whole area is subjected to the heavy Atlantic swells.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

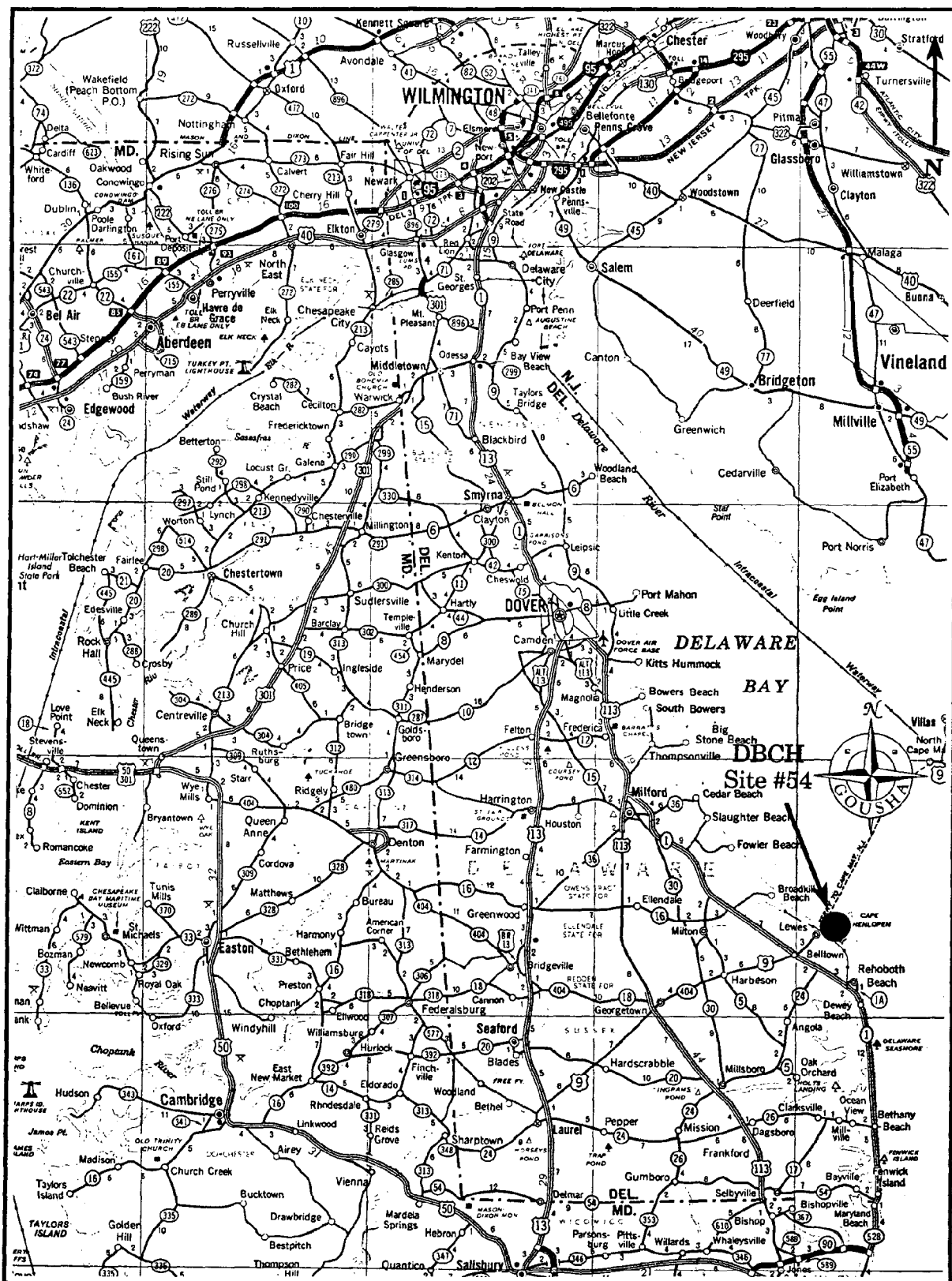
Mussels - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

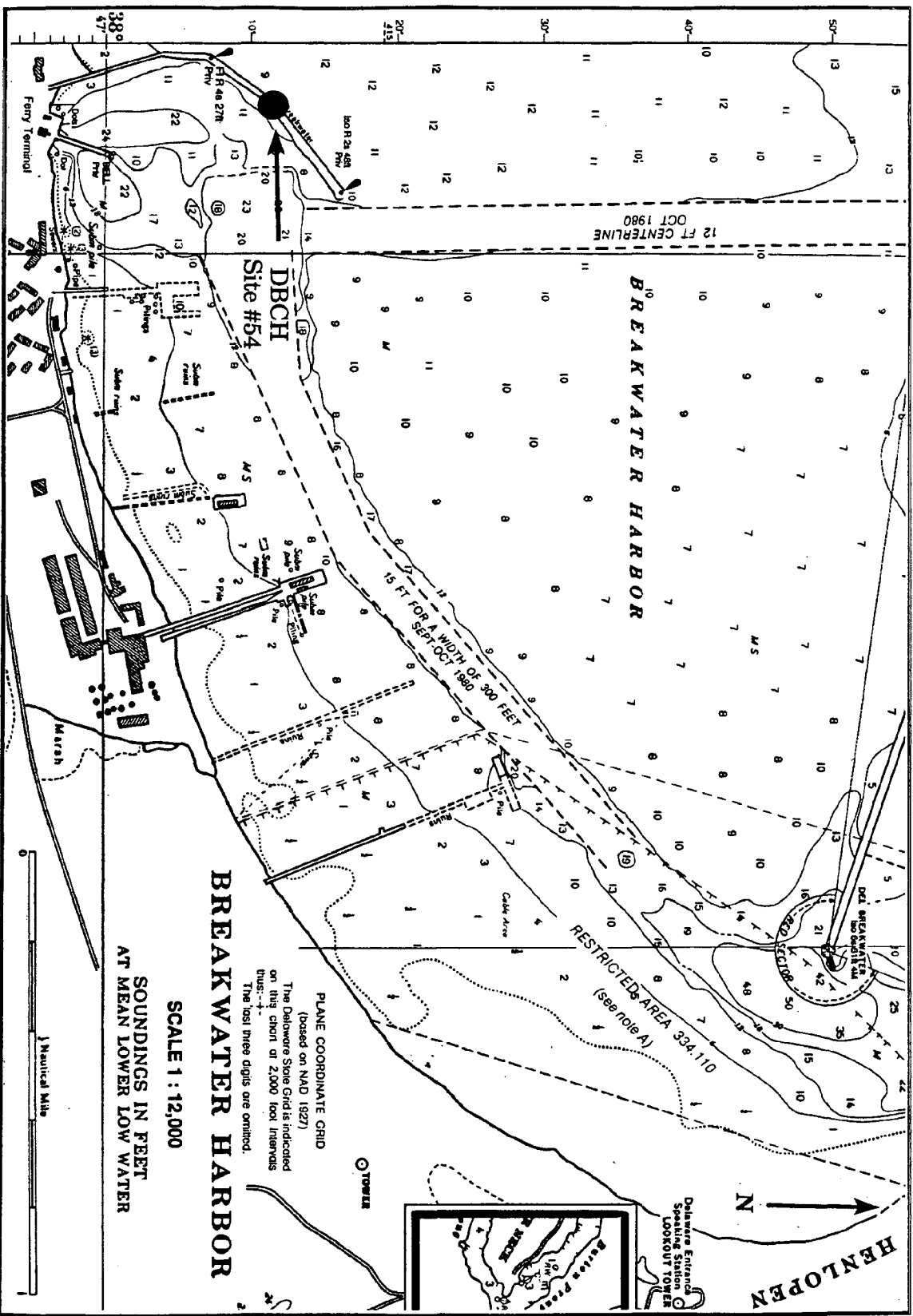
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area, other than that from the potential contamination possibly coming from the ferry harbor.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	3.7	1/10/95



Site #54 (DBCH), Delaware Bay Cape Henlopen.



Site #54 (DBCH), Delaware Bay Cape Henlopen (from chart 12216).



Site #54 (DBCH), Delaware Bay Cape Henlopen



MARYLAND SITES

GERG SITE NUMBER - 55

DESIGNATOR - CBBO

SITE - BODKIN POINT, CHESAPEAKE BAY, MD

NOMINAL SITE CENTER - 39°09.44'N 76°24.29'W

LOCATED ON NOS CHART # - 12273

SITE ACCESS - A boat is needed to access this site in the middle of Chesapeake Bay. From Annapolis, follow Hwy. 50 (Hwy. 301) towards the Chesapeake Bay bridge and take the last exit before the toll booths. Follow the signs to the Sandy Point State Park Marina, where there is a good boat ramp. By boat, follow the markers out of the marina and turn left at the last marker and head towards the first Lighthouse in the Bay. This is the entrance to the Craighill Ship Channel that will lead you north to the site.

SITE DESCRIPTION - The site is located just to the north of Sevenfoot Knoll, that lies to the east of the Craighill Ship Channel near the red nun buoy "22". Another landmark is the marine warning platform & sign "Large wave may happen due to shipping traffic". The stations were not differentiated as the oyster population was very scarce.

BIVALVE COLLECTIONS

1995 There were very few medium sized oysters to be found in the area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

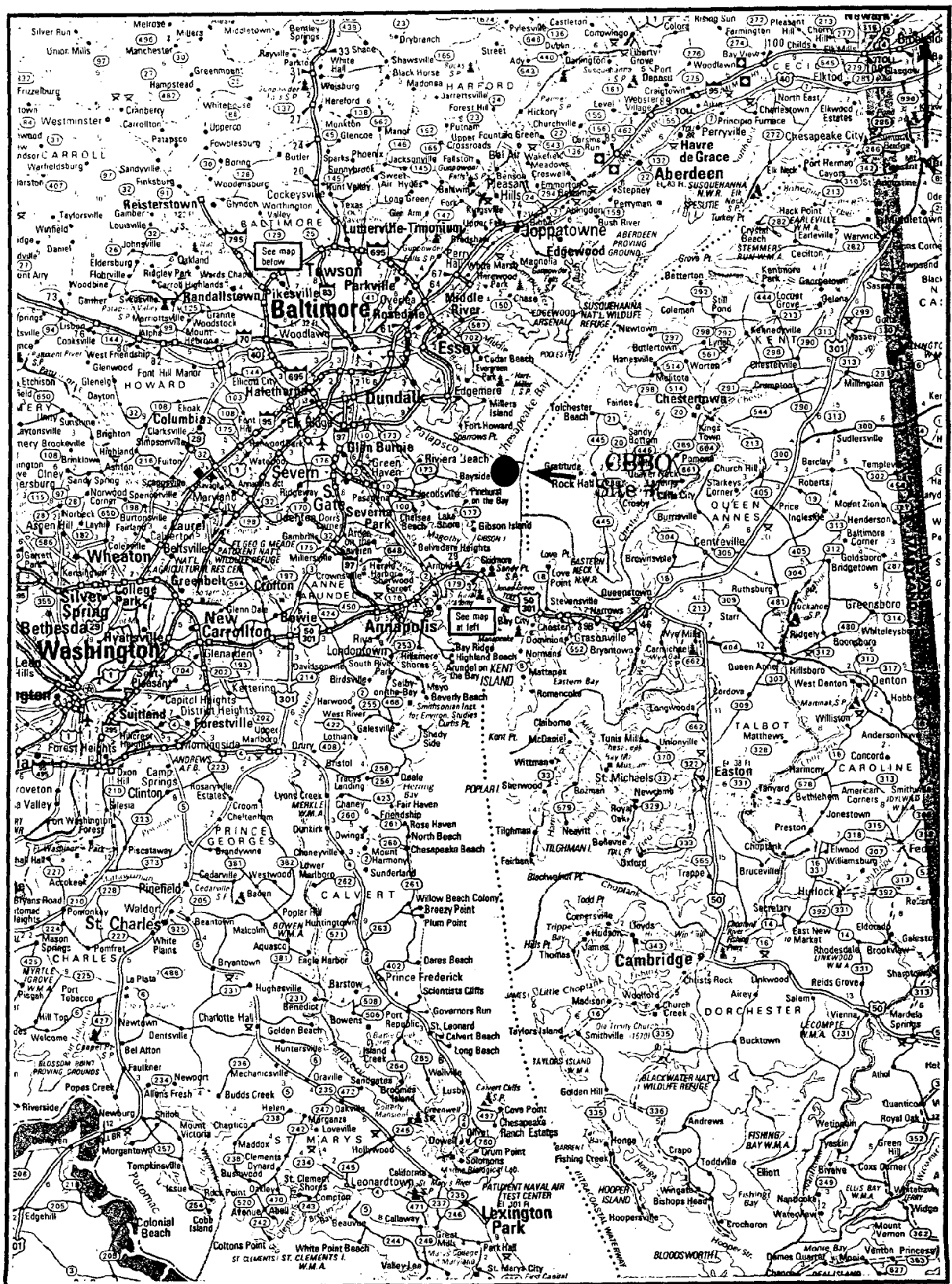
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 5.0 m

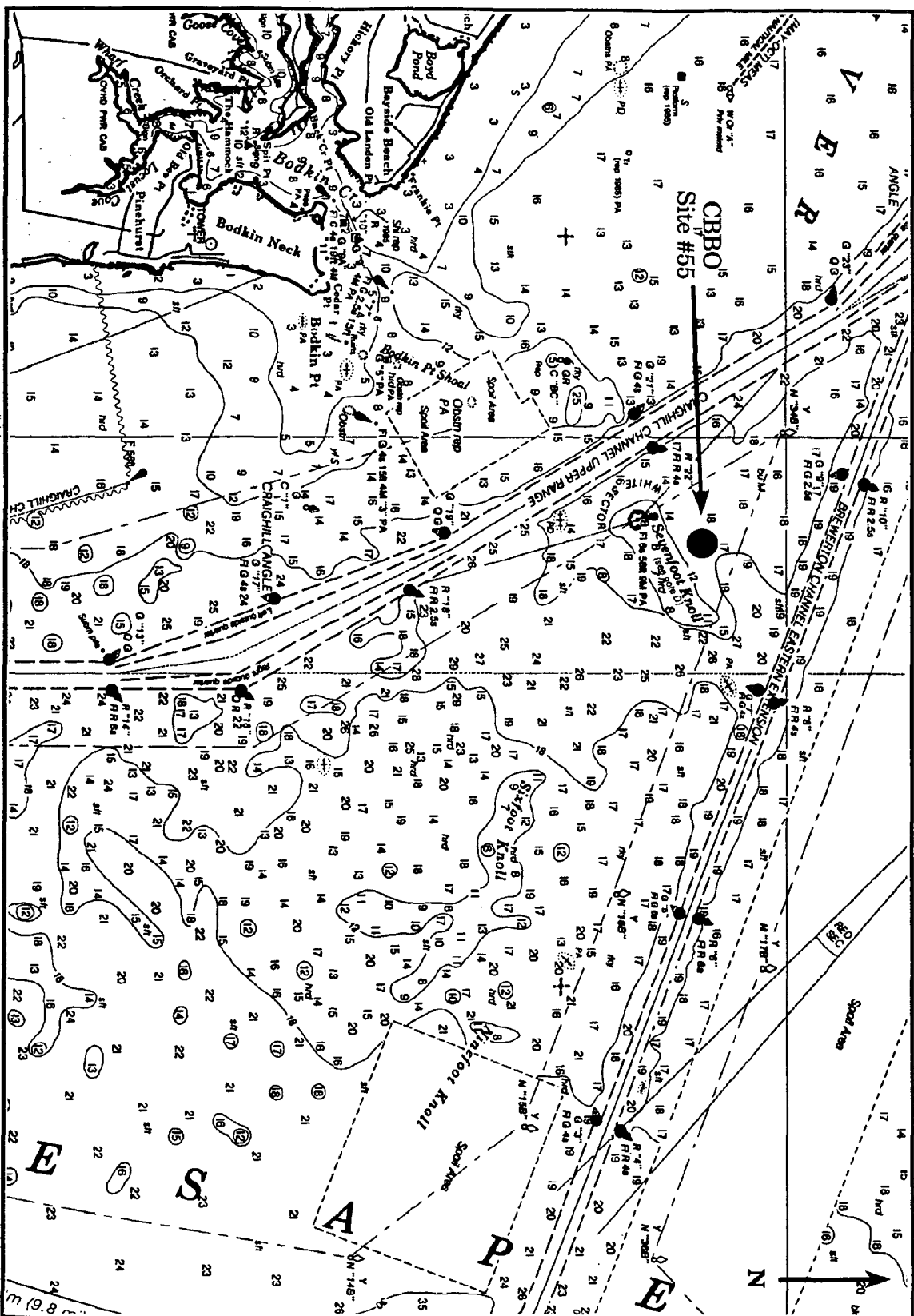
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. The site is located right next to two very busy major shipping channel in Chesapeake Bay.

ENVIRONMENTAL DATA

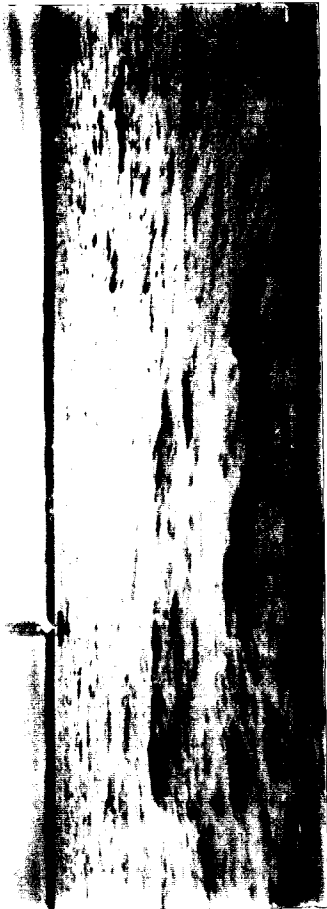
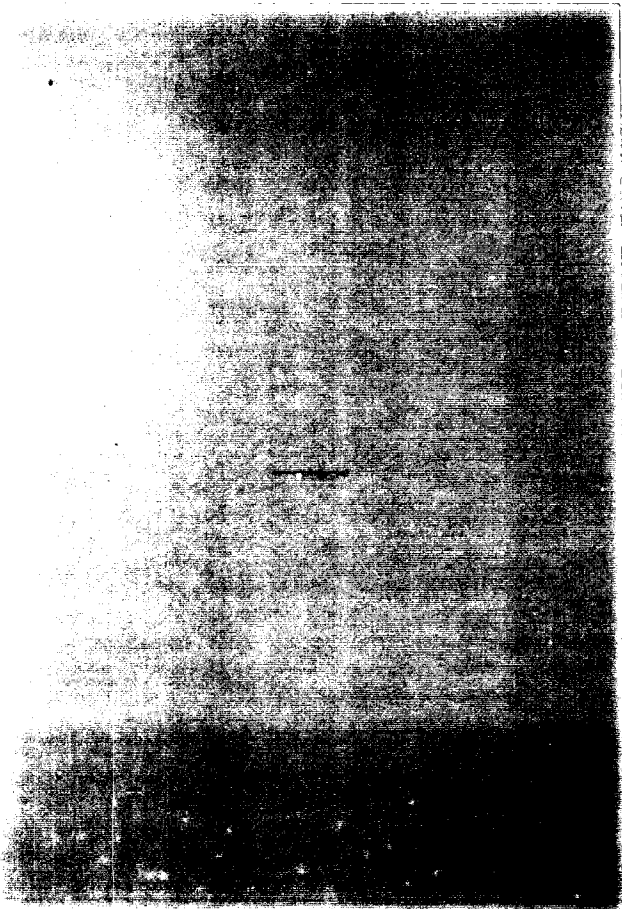
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	8.0	8.5	1/20/95



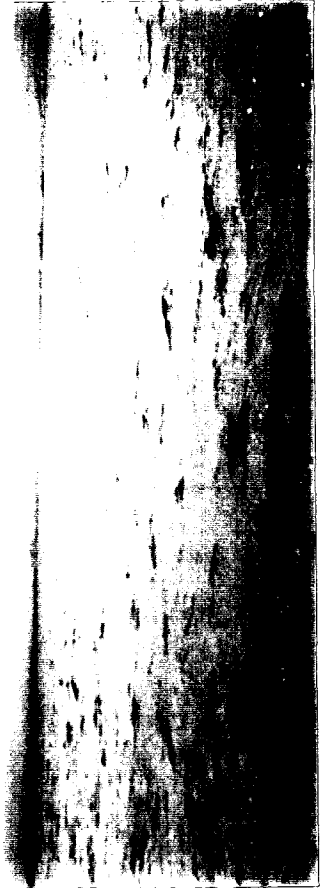
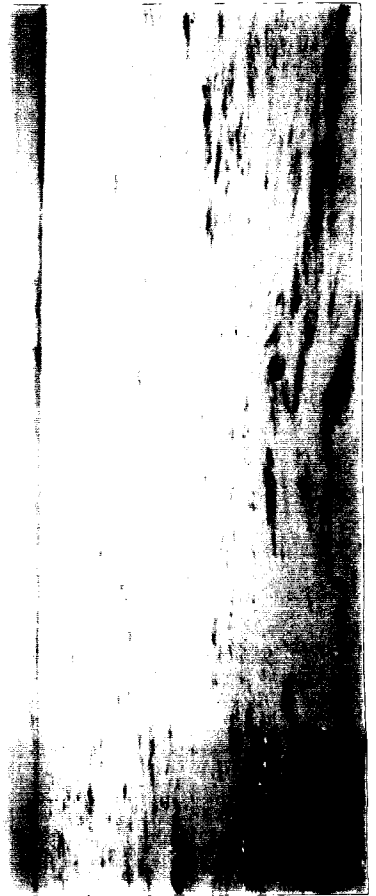
Site #55 (CBO), Chesapeake Bay Bodkin Point.



Site #55 (CBBO), Chesapeake Bay Bodkin Point (from chart 12278).



Site #55 (CBBO), Chesapeake Bay Bodkin Point



GERG SITE NUMBER - 56

DESIGNATOR - CBMP

SITE - MOUNTAIN POINT BAR, CHESAPEAKE BAY, MD

NOMINAL SITE CENTER - 39°04.32'N 76°24.76'W

LOCATED ON NOS CHART # - 12273

SITE ACCESS - A boat is needed to access this site in the middle of Chesapeake Bay. From Annapolis, follow Hwy. 50 (Hwy. 301) towards the Chesapeake Bay bridge and take the last exit before the toll booths. Follow the signs to the Sandy Point State Park Marina, where there is a good boat ramp. By boat, follow the markers out of the marina and turn left at the last marker and head towards the first Lighthouse in the Bay. This is the entrance to the Craighill Ship Channel that will lead you north to the site.

SITE DESCRIPTION - The site is located to the west of the Craighill Shipping Channel, west of the green marker "9". The site is southeast of a large white house with pillars on the shore. The stations were not differentiated due to the scarcity of the oysters and the lack of good landmarks in the vicinity.

BIVALVE COLLECTIONS

1995 There were only a few large oysters to be found in the area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

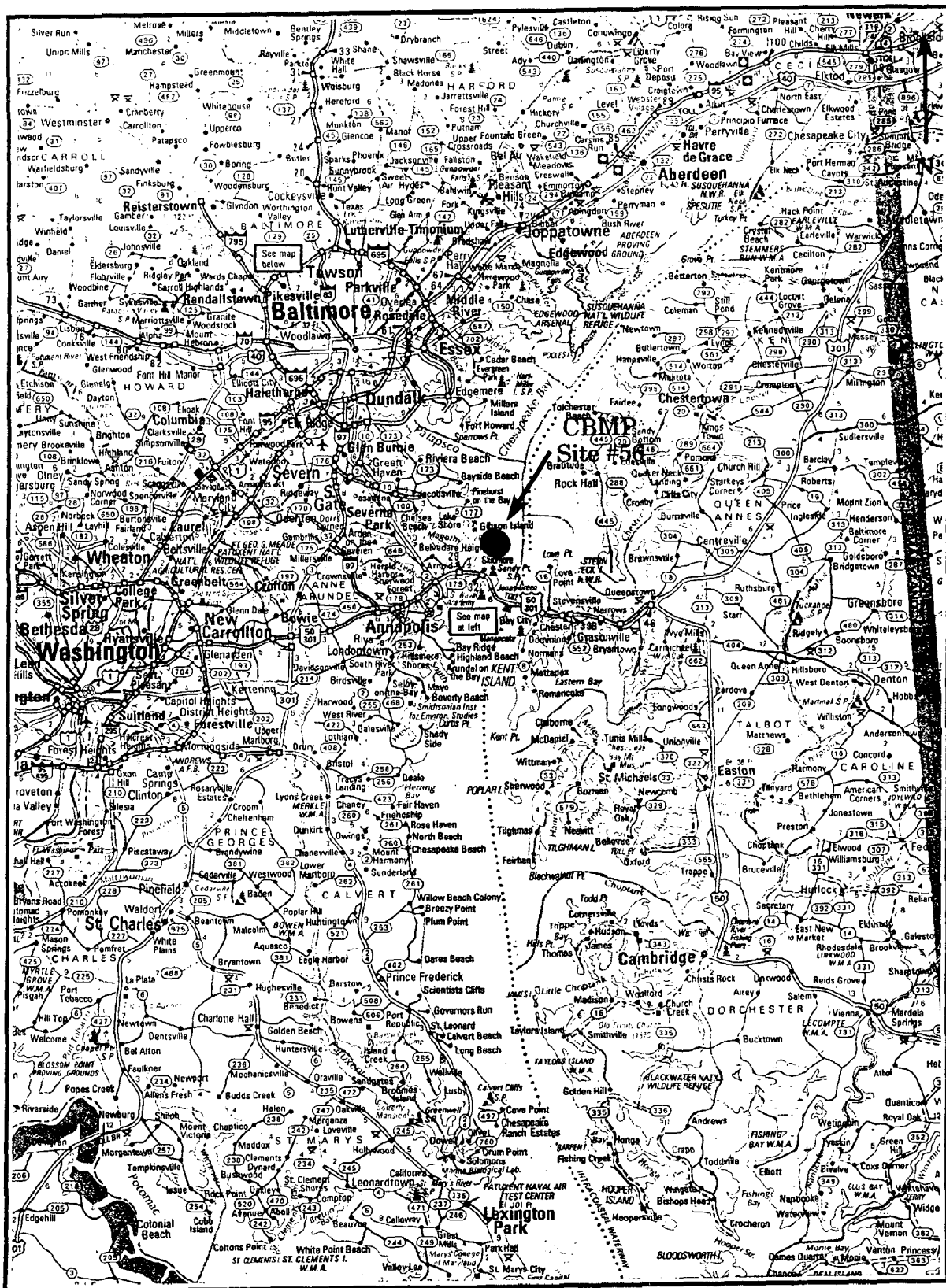
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 3.5 m

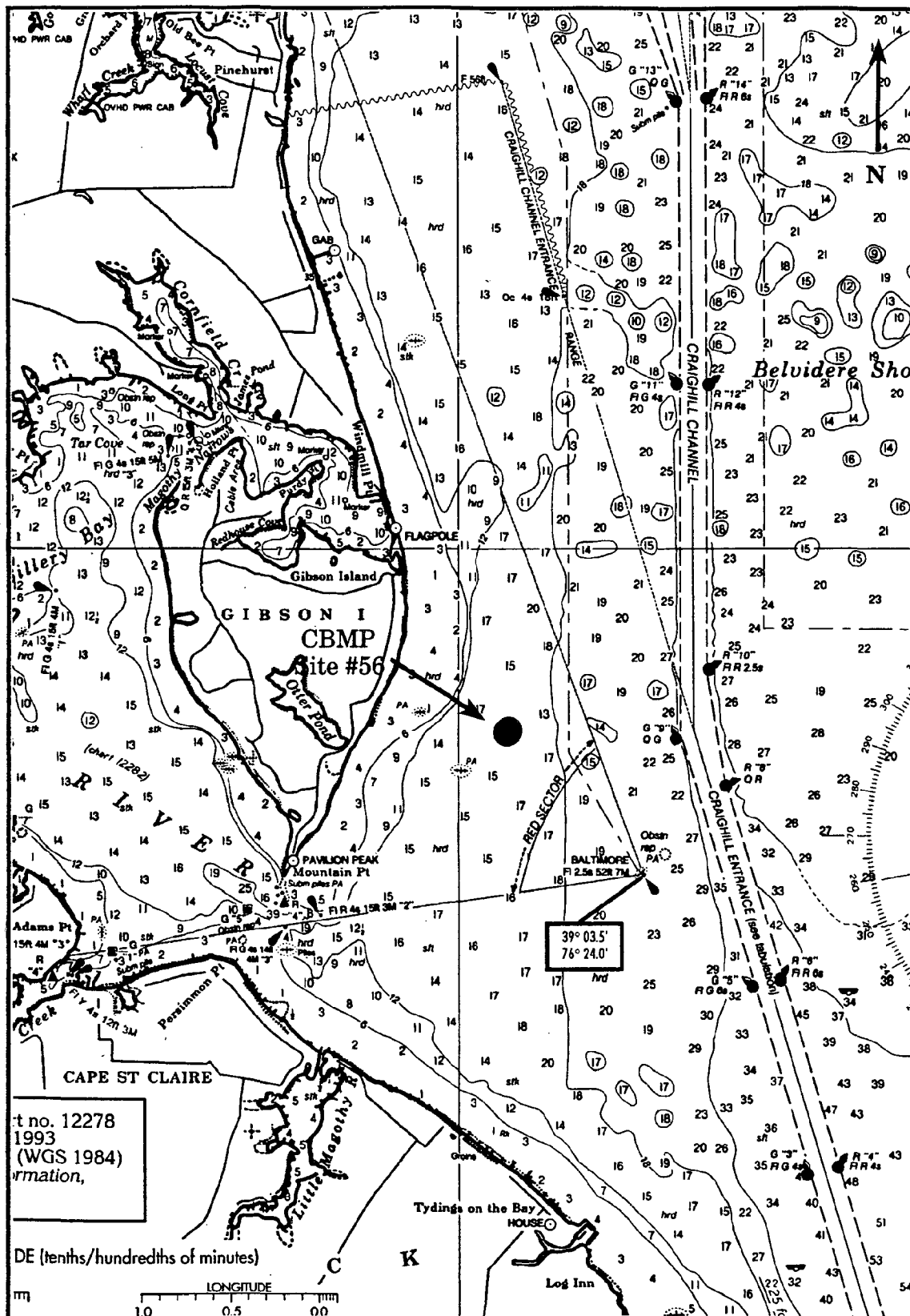
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	4.0	1/17/95



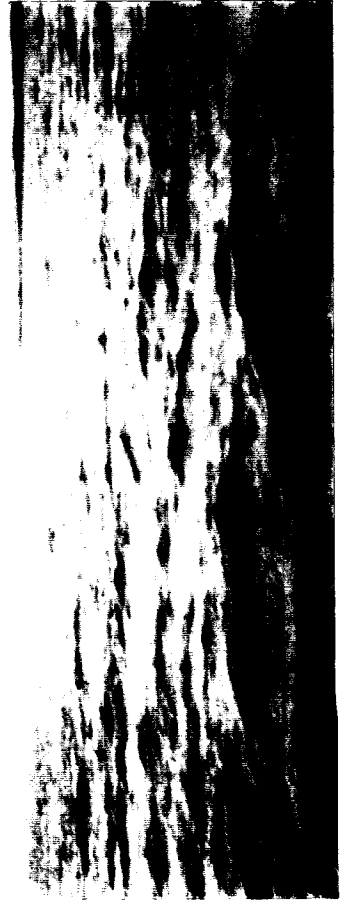
Site #56 (CBMP), Chesapeake Bay Mountain Point Bar.



Site #56 (CBMP), Chesapeake Bay Mountain Point (from chart 12278).



Site #56 (CBMP), Chesapeake Bay Mountain Point



GERG SITE NUMBER - 57

DESIGNATOR - CBHP

SITE - HACKETT POINT BAR, CHESAPEAKE BAY, MD

NOMINAL SITE CENTER - 38°58.17'N 76°24.88'W

LOCATED ON NOS CHART # - 12286

SITE ACCESS - A boat is needed to access this site in the middle of Chesapeake Bay. From Annapolis, follow Hwy. 50 (Hwy. 301) towards the Chesapeake Bay bridge and take the last exit before the toll booths. Follow the signs to the Sandy Point State Park Marina, where there is a good boat ramp. By boat, follow the markers out of the marina and run parallel to the bridge to the 12th set of bridge legs, go under the bridge and the site is a 3 mile run from here.

SITE DESCRIPTION - The site is due west of the radio towers, southeast from Hackett Point and is just to the east of the green can buoy "1". The stations were not differentiated due to the scarcity of oysters and the lack of any suitable nearby landmarks.

BIVALVE COLLECTIONS

1995 There were very oysters to be found in the area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

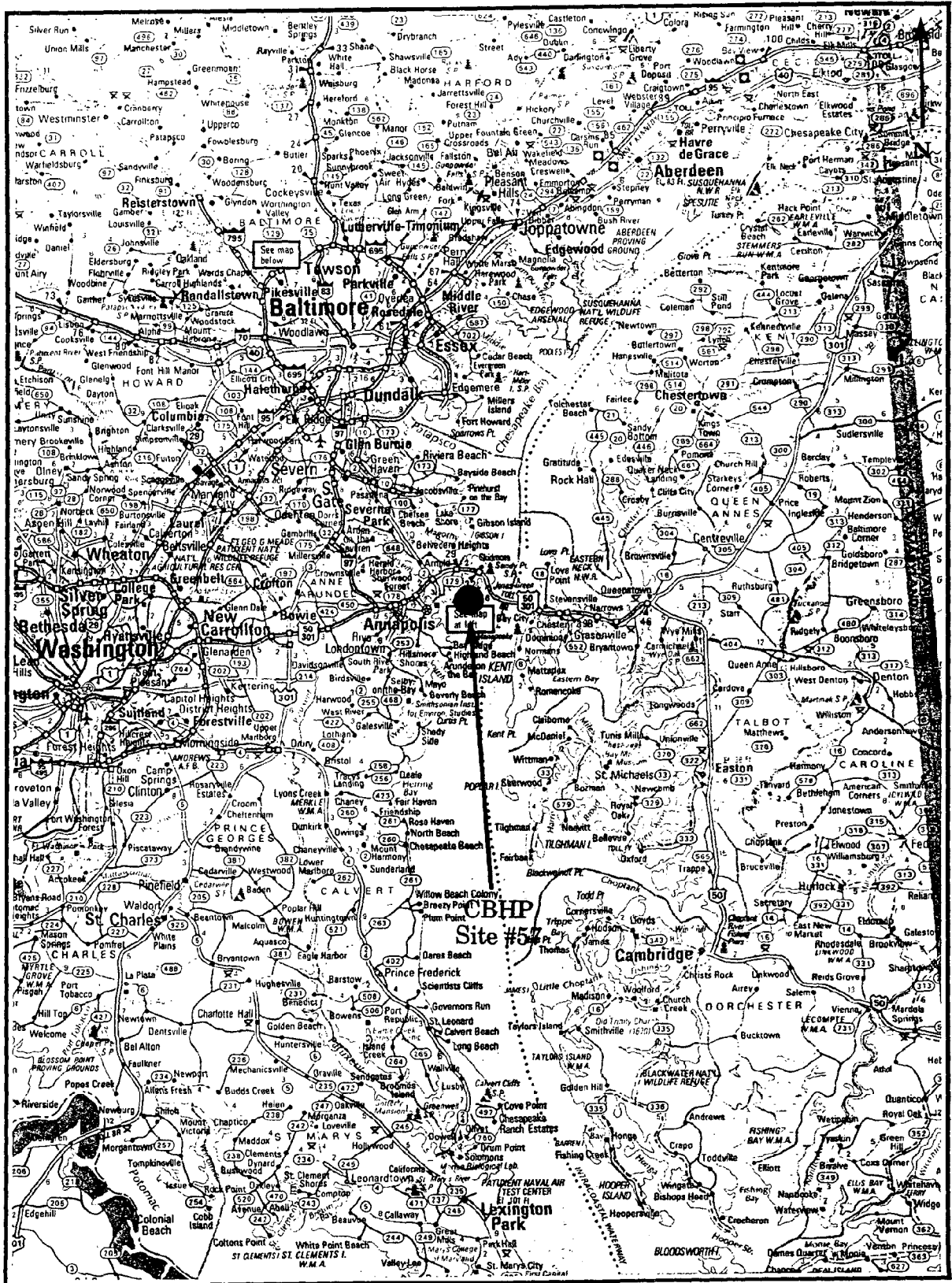
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 2.5 m

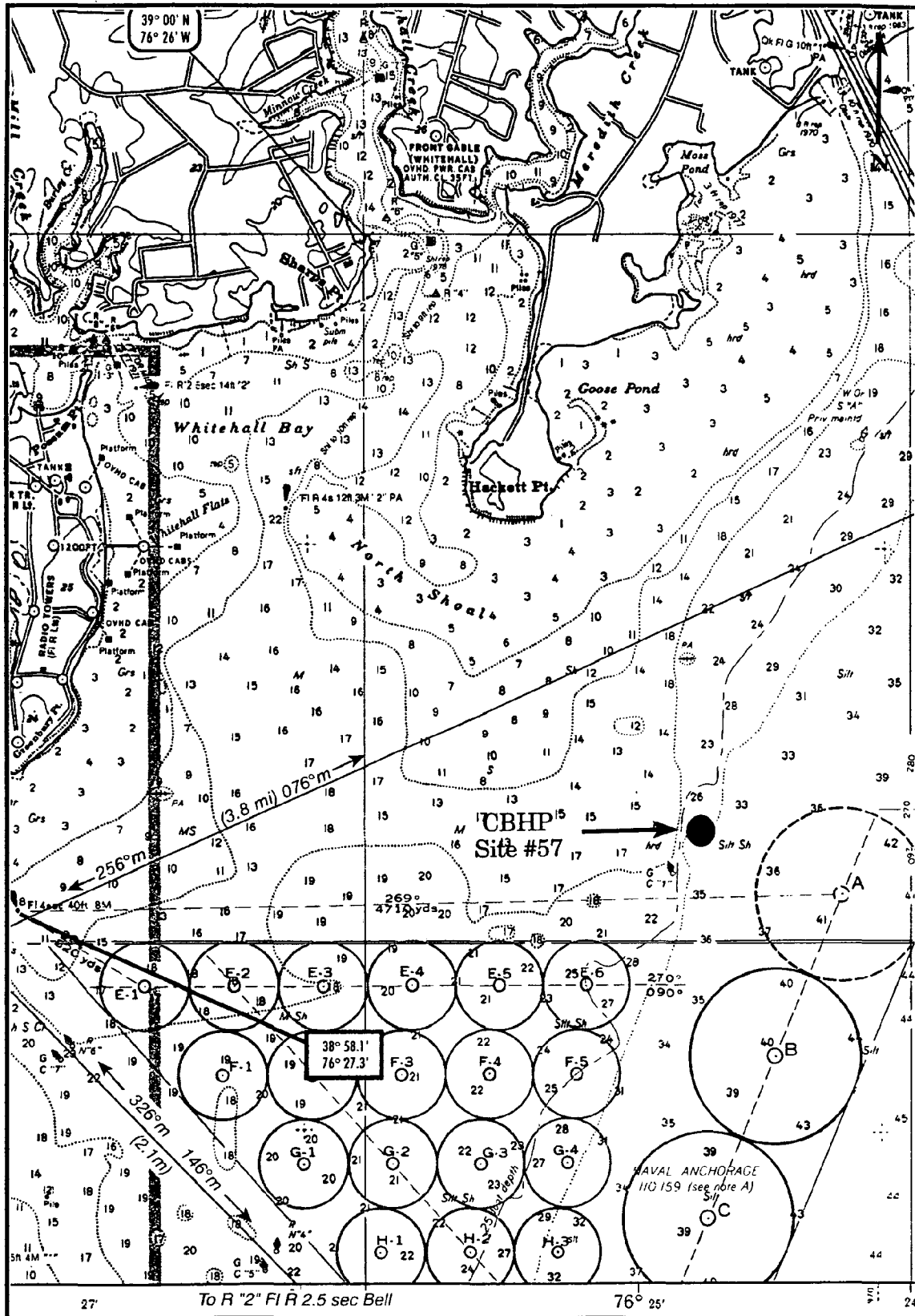
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. The site is close to a busy shipping channel in the middle of Chesapeake Bay.

ENVIRONMENTAL DATA

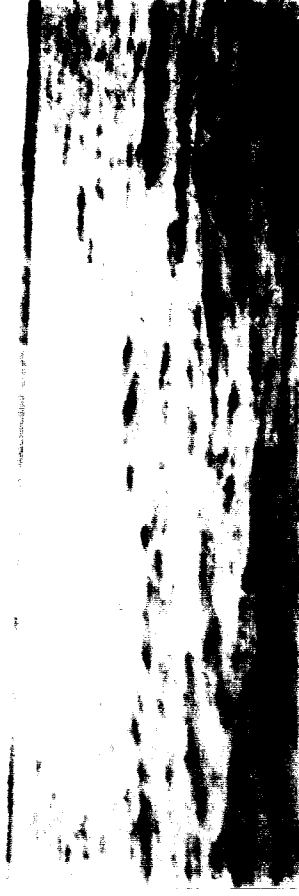
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	10.0	5.0	1/17/95



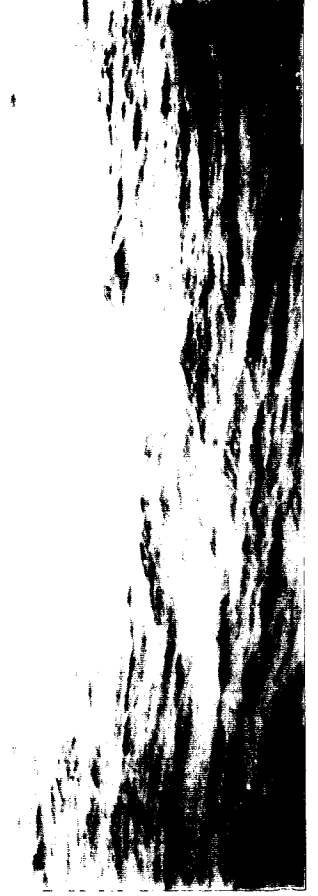
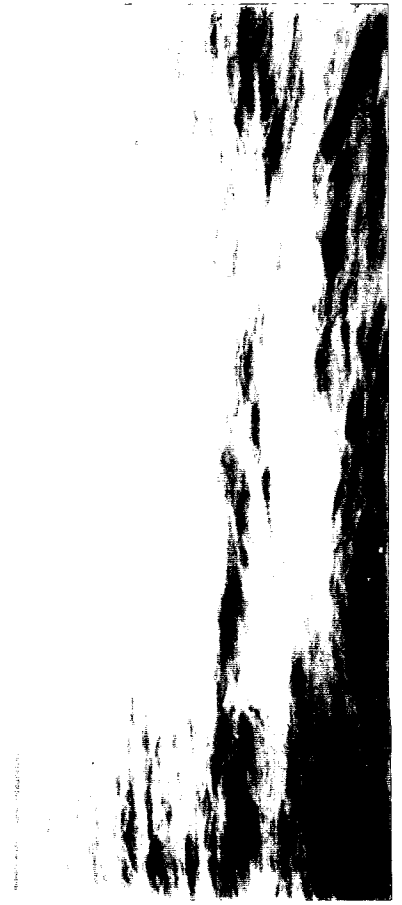
Site #57 (CBHP), Chesapeake Bay Hackett Point Bar.



Site #57 (CBHP), Chesapeake Bay Hackett Point (from chart 12282).



Site #57 (CBHP), Chesapeake Bay Hackett Point



GERG SITE NUMBER - 58

DESIGNATOR - CBCP

SITE - CHOPTANK RIVER, CHESAPEAKE BAY, MD

NOMINAL SITE CENTER - 38°36.44'N 76°07.20'W

LOCATED ON NOS CHART # - 12260

SITE ACCESS - This site can only be accessed by boat launched in the Choptank River. Follow Hwy. 50 from Annapolis down to Cambridge and exit onto Hwy. 343 (Washington St.) going west through the town. Where the road makes a "Y", at the Longs Country Store, take the right hand fork. About a mile down the road on the right is the Univ. of Maryland Horn Point Environmental Lab. The gate posts are red brick and are topped with Rams heads. Launch the boat at the Lab and go out to the site in the Choptank River.

SITE DESCRIPTION - The site is located on the Howell Point side of the channel, between the green markers "19" and "19A". The stations were not differentiated due to the extreme scarcity of the oysters.

BIVALVE COLLECTIONS

1995 The large oysters were very scarce and occurred in singles. There were no oyster beds or reefs in the area. Over twenty dredge tows were required to collect sufficient oysters for the sample.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

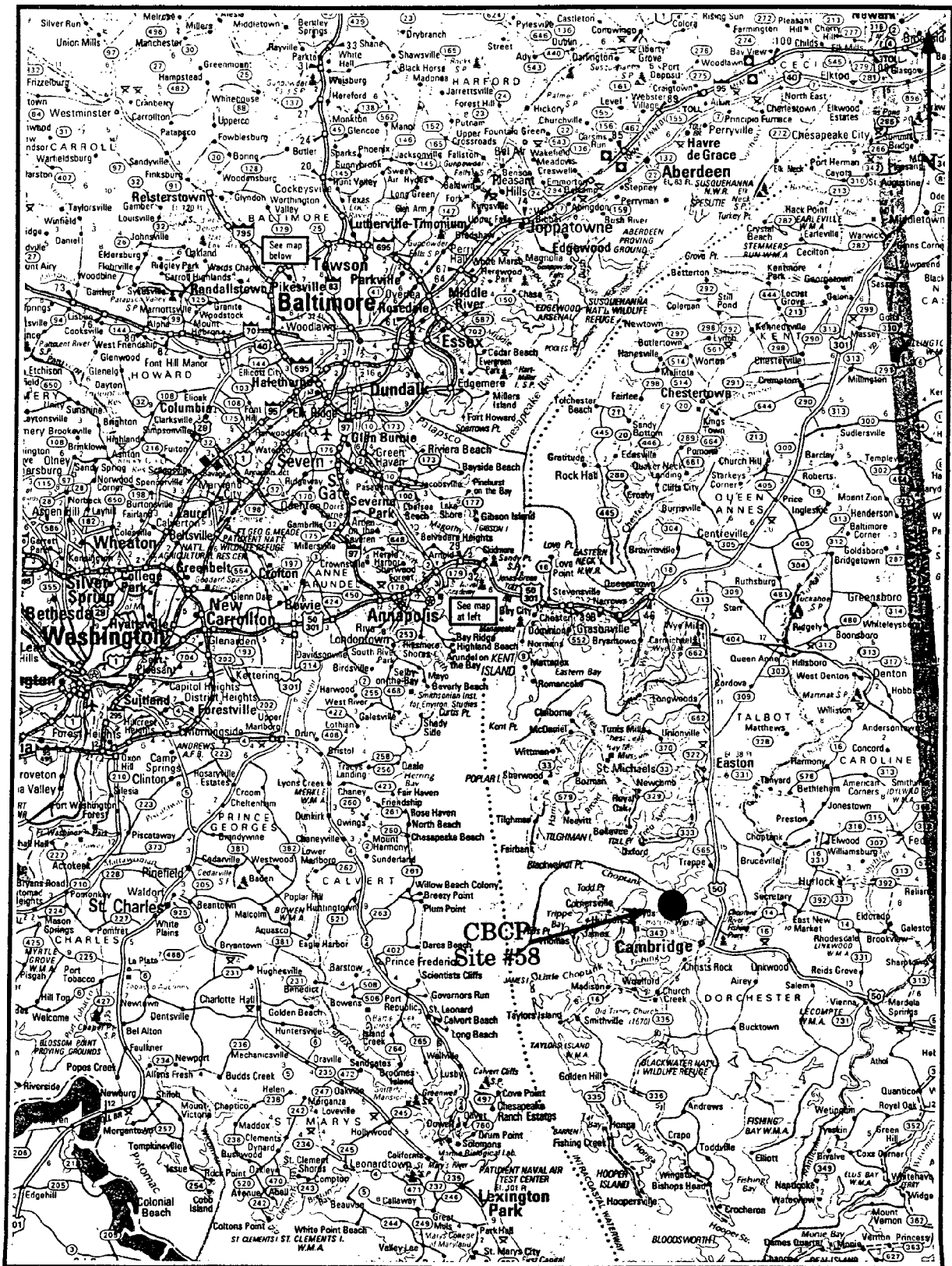
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 4.0 m

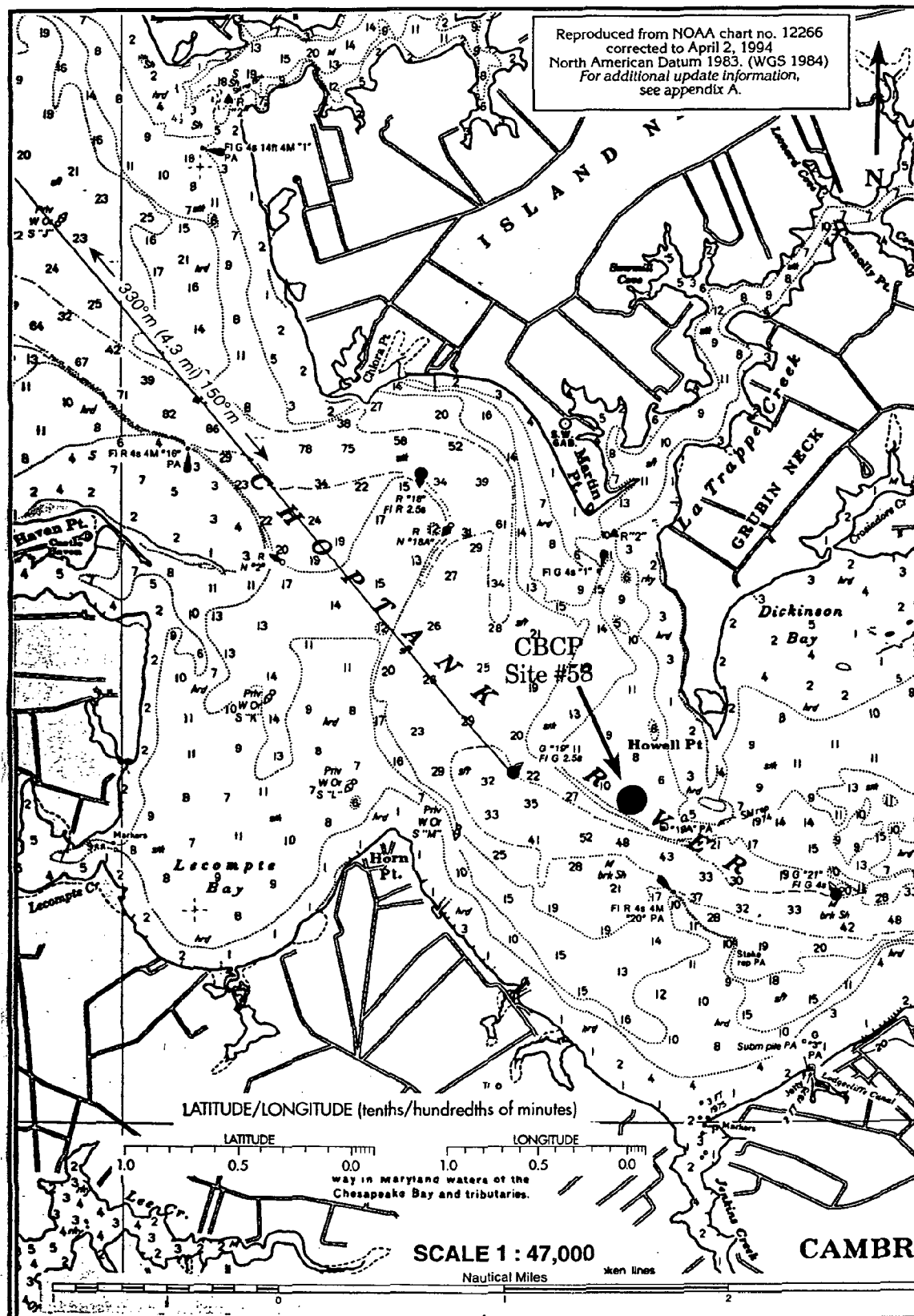
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	24.0	4.0	1/12/95



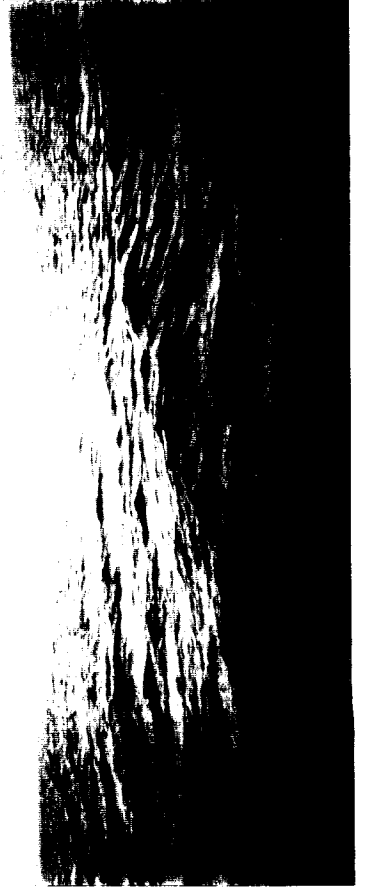
Site #58 (CBCP), Chesapeake Bay Choptank River.



Site #58 (CBCP), Chesapeake Bay Choptank River (from chart 12266).



Site #58 (CBCP), Chesapeake Bay Choptank River



GERG SITE NUMBER - 59

DESIGNATOR - CBHG

SITE - HOG POINT, CHESAPEAKE BAY, MD

NOMINAL SITE CENTER - 38°18.74'N 76°23.87'W

LOCATED ON NOS CHART # - 12230

SITE ACCESS - This site is accessed by boat launched at the boat ramp under the Hwy. 2-4 Patuxent River Bridge. From here, head out down the Patuxent River towards Chesapeake Bay to the green channel "3".

SITE DESCRIPTION - The site is located at the mouth of the Patuxent River into Chesapeake Bay, between Cedar Point and Hog Point. The entire area was searched and dredged for oyster, and no viable reefs or beds were found

BIVALVE COLLECTIONS

1995 Only two live oysters were found after a large number of dredge tows. There was a great deal of shell found, all covered with "bryo".

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

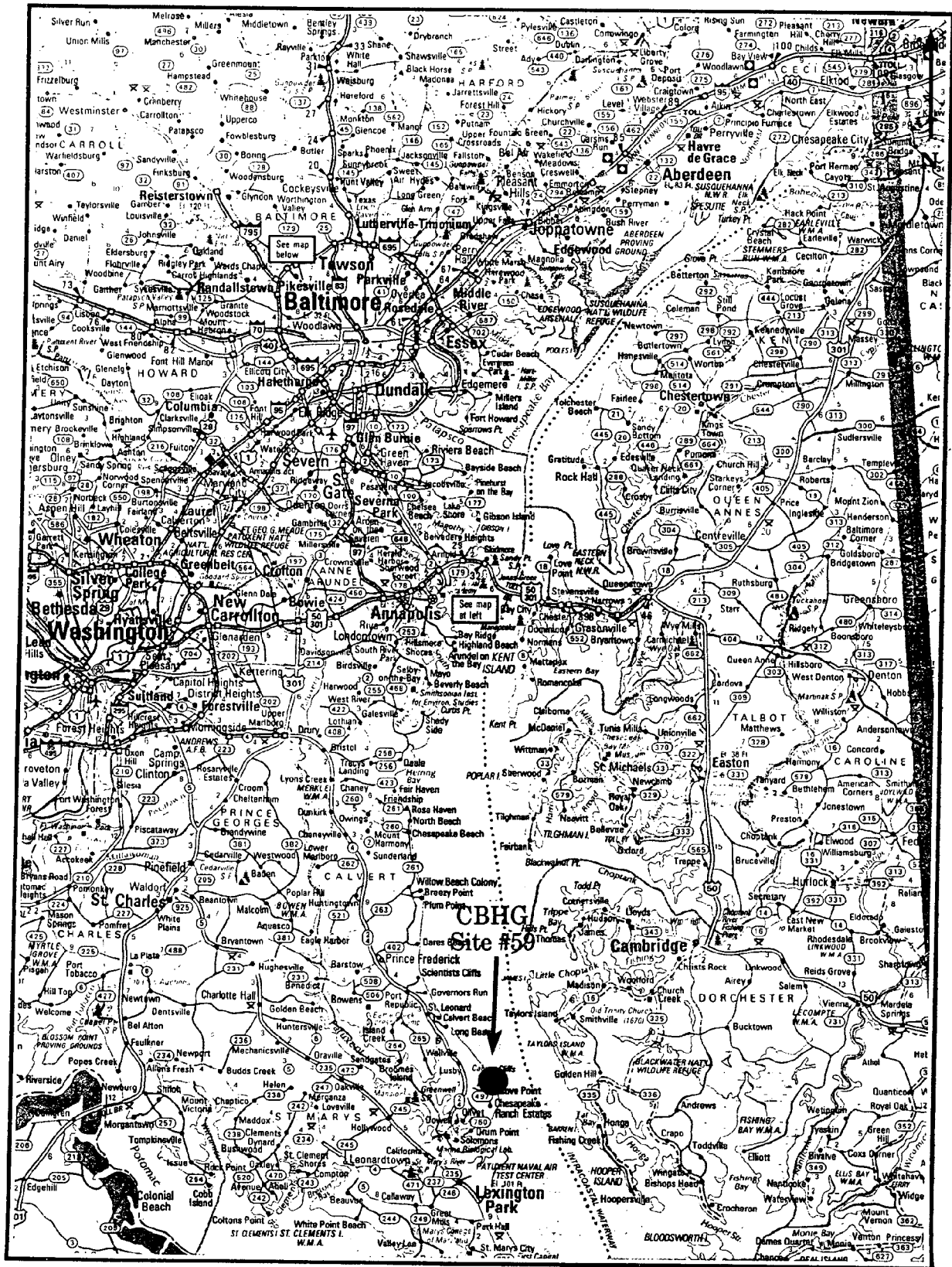
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 6.0 m

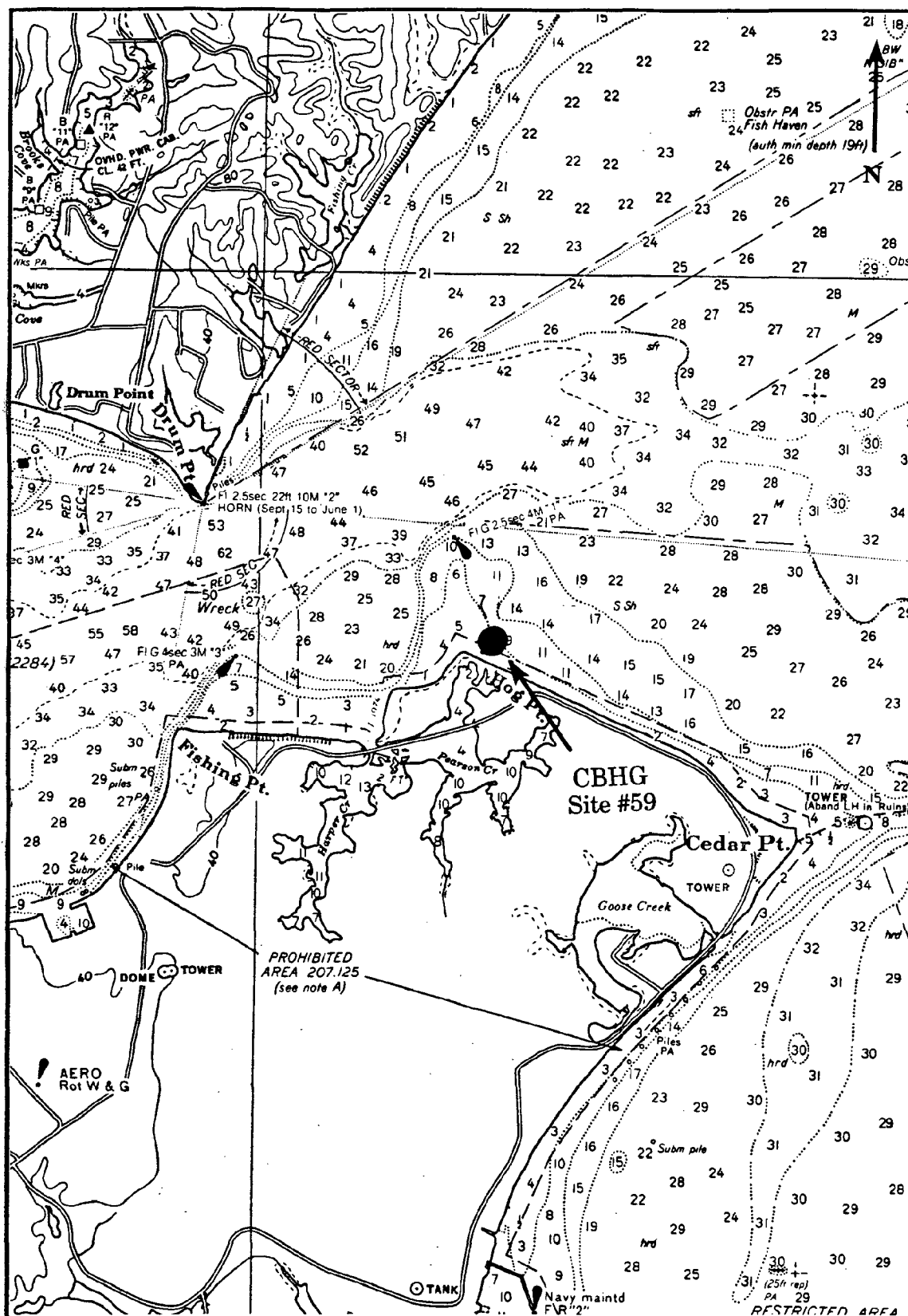
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. There is the potential contamination from outflow from the Patuxent River, and the nearby Chesapeake Bay Shipping Channel.

ENVIRONMENTAL DATA

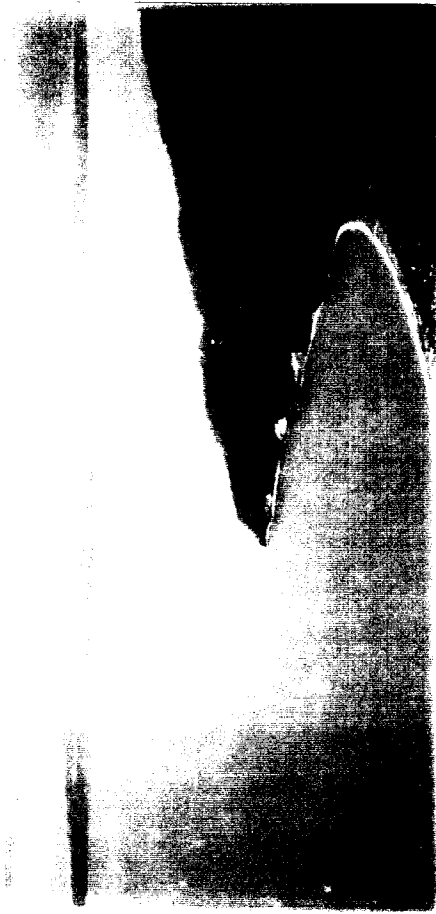
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	4.9	1/13/95



Site #59 (CBHG), Chesapeake Bay Hog Point.



Site #59 (CBHG), Chesapeake Bay Hog Point (from chart 12264).



Site #59 (CBHG), Chesapeake Bay Hog Point

GERG SITE NUMBER - 61

DESIGNATOR - PRSP

SITE - SWAN POINT, POTOMAC RIVER, MD

NOMINAL SITE CENTER - 38°16.90'N 76°56.02'W

LOCATED ON NOS CHART # - 12286

SITE ACCESS - The site is accessed by boat launched at the Colonial Beach boat ramps. Drive south from Washington on Hwy. 301 and cross the Potomac River, then turn left onto Hwy. 218, and left again onto Hwy. 205 which will take you to Colonial Beach. Head north out across the Potomac River to the north of the Kettle Bottleneck, to Swan Point on the northern shoreline.

SITE DESCRIPTION - The site is located just off Swan Point, between the Radar Reflector and the green can buoy "Q".

BIVALVE COLLECTIONS

1995 No live oysters were found after an extensive search in the entire area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

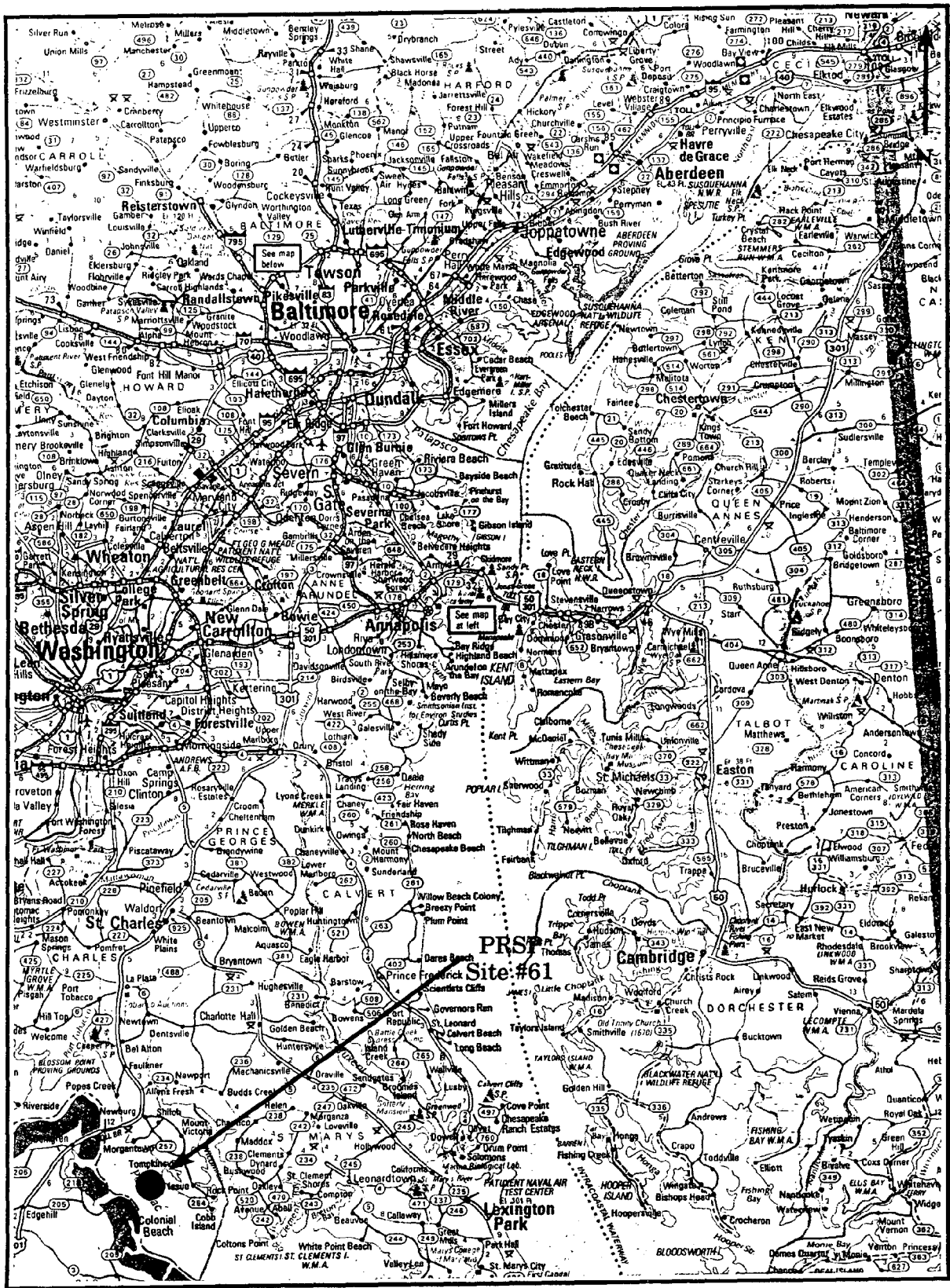
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 4.0 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area, other than that from the outflow from the river.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	-	-	1/16/95



Site #61 (PRSP), Potomac River Swan Point



Site #61 (PRSP), Potomac River Swan Point (from chart 12286).



Site #61 (PRSP), Potomac River Swan Point

VIRGINIA SITES

GERG SITE NUMBER - 60

DESIGNATOR - PRRP

SITE - RAGGED POINT, POTOMAC RIVER, VA

NOMINAL SITE CENTER - 38°09.30'N 76°36.05'W

LOCATED ON NOS CHART # - 12286

SITE ACCESS - This site is accessed by boat launched from the Ragged Point Marina. Drive south from Washington on Hwy. 301, and then go east on Hwy. 17 to Tappahannock. Go northeast on Hwy. 360 to Warsaw, then north on Hwy. 3 to Templeman. Turn right onto Hwy. 202 then left onto Hwy. 612 and drive to Coles Point. Then take Hwy 728 to the marina and boat ramp in Ragged Point.

SITE DESCRIPTION - The site is located just off Ragged Point to the northeast, near the rock pile with the metal navigational aid frame "51". The Stations were not differentiated as the oysters were not to found on any recognizable bed or reef system.

BIVALVE COLLECTIONS

1995 The oysters were very scarce, and over twenty dredge tows were required to obtain sufficient numbers for a sample.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

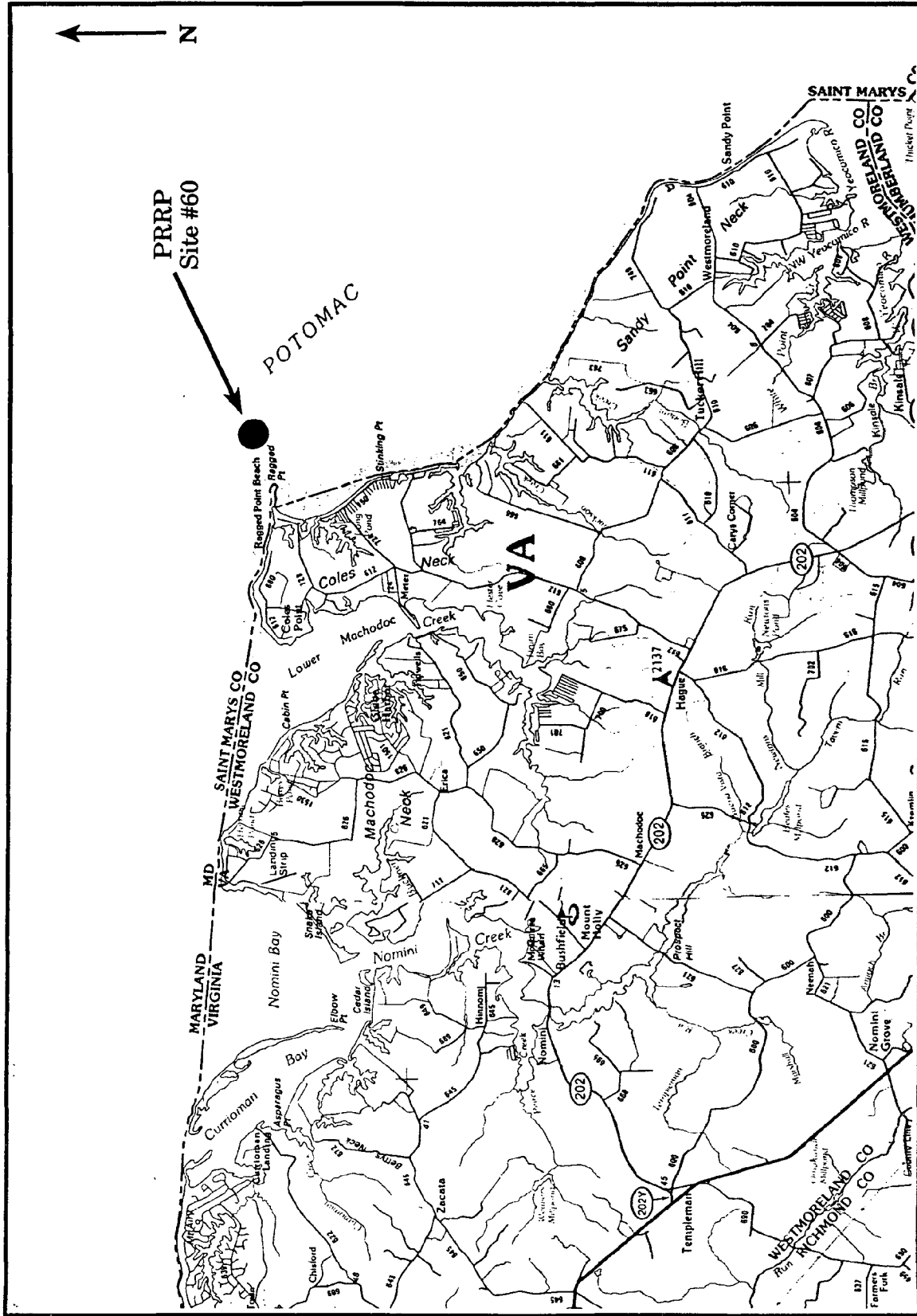
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 3.5 m

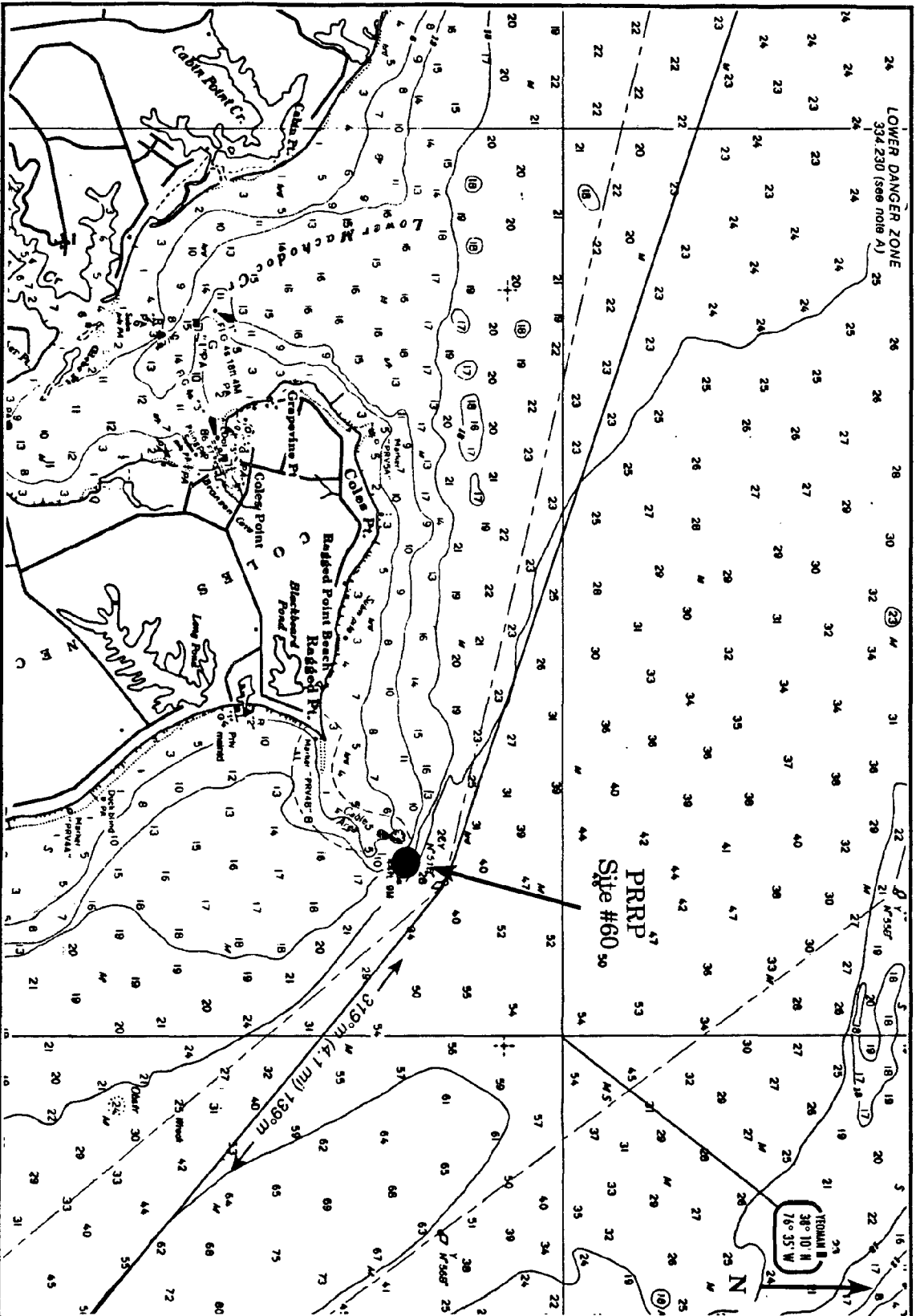
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

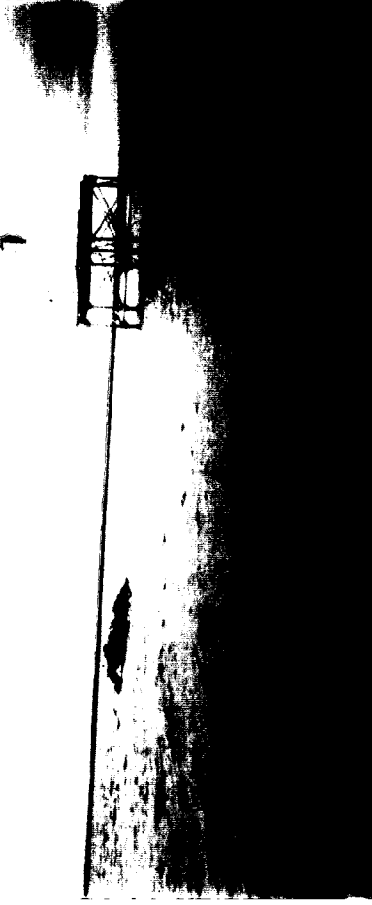
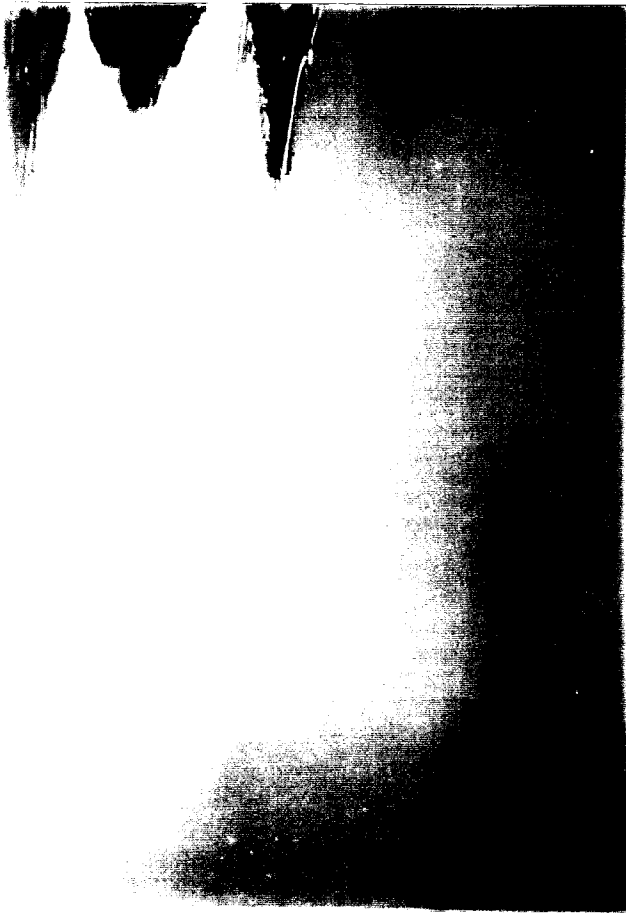
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	4.0	7.0	1/16/95



Site #60 (PRRP), Potomac River Ragged Point.



Site #60 (PRRP), Potomac River Ragged Point (from chart 12286).



Site #60 (PRRP), Potomac River Ragged Point

GERG SITE NUMBER - 62

DESIGNATOR - PRMC

SITE - MATTOX CREEK, POTOMAC RIVER, VA

NOMINAL SITE CENTER - 38°13.40'N 76°57.69'W

LOCATED ON NOS CHART # - 12286

SITE ACCESS - The site is accessed by boat launched at the Colonial Beach boat ramps. Drive south from Washington on Hwy. 301 and cross the Potomac River, then turn left onto Hwy. 218, and left again onto Hwy. 205 which will take you to Colonial Beach. Head southeast down the Potomac River to the Kettle Bottleneck, and then west to the site at the mouth of the Monroe Creek.

SITE DESCRIPTION - The site is located just off Gumbar Point, between the red channel markers "2" and "4". There is also a white seawall, with 4 sets of stairs leading down to the beach, some 250 meters to the west.

BIVALVE COLLECTIONS

1995 There was a good sized population of oysters in the area, occurring in clumps with mussels attached to them.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

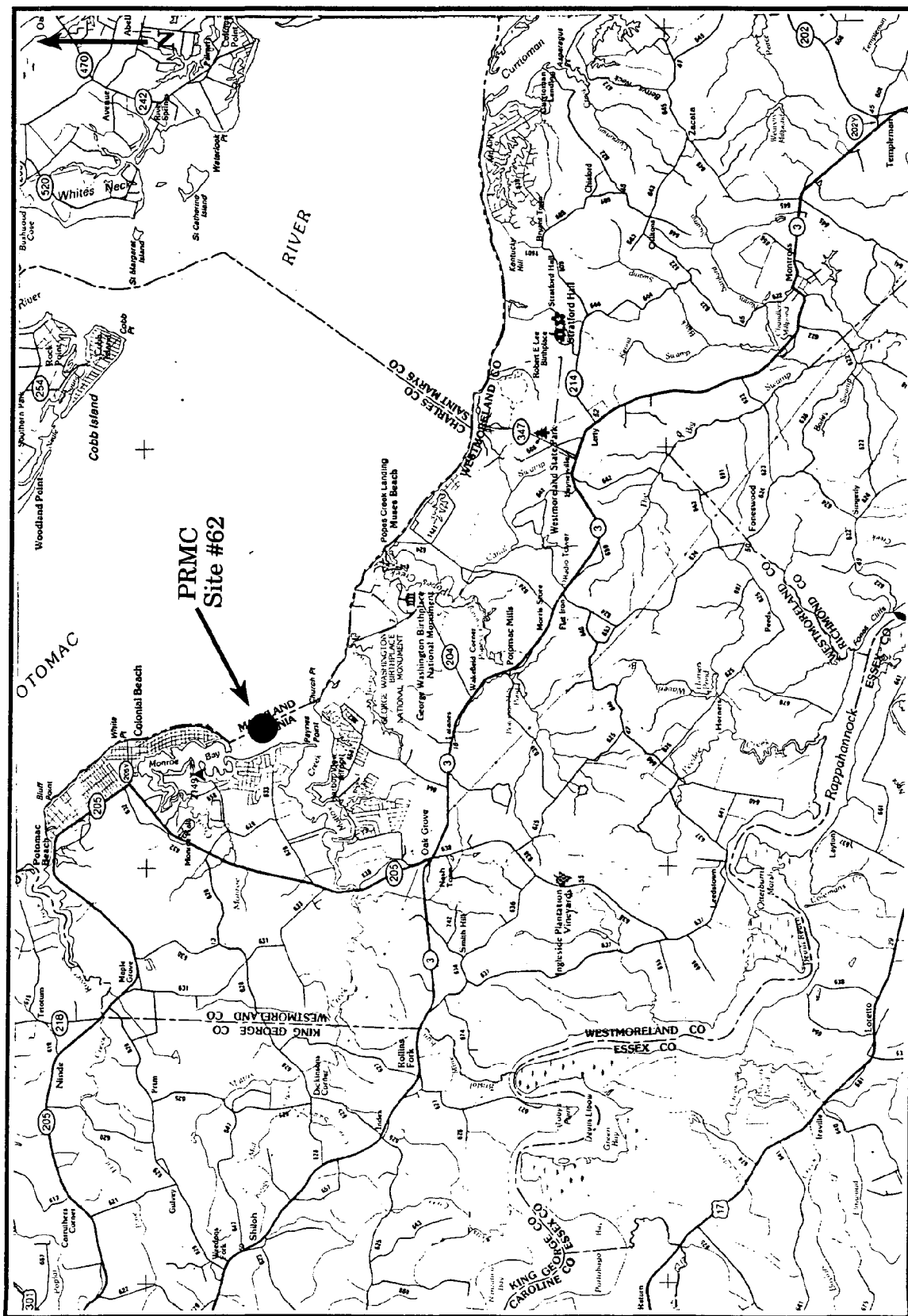
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 3.0 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area, other than that from the outflow from the river.

ENVIRONMENTAL DATA

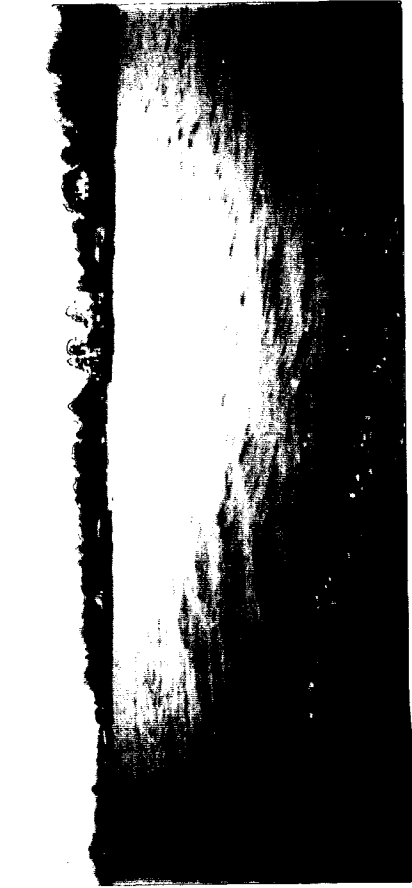
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	10.0	8.0	1/16/95



Site #62 (PRMC), Potomac River Mattox Creek



Site #62 (PRMC), Potomac River Mattox Creek



GERG SITE NUMBER - 64

DESIGNATOR - RRRR

SITE - ROSS ROCK, RAPPAHANNOCK RIVER, VA

NOMINAL SITE CENTER - 37°54.12'N 76°47.27'W

LOCATED ON NOS CHART # - 12237

SITE ACCESS - This site can only be accessed by boat, launched at the public ramp in Tappahannock. From Washington, drive south on Hwy. 301 and cross the Potomac River, turn left onto Hwy. 17 that will take you to Tappahannock. The ramp is at the end of Dock Street (also 1002). From here, go down the narrow creek to the Rappahannock River, then head out east-southeast down the river to the site.

SITE DESCRIPTION - The site is located to the north of Accaceek Point, and to the east of Ross Rock and 1/3 of the distance inshore from the green can buoy "23" and red nun buoy "24". There is a trailer park on the shore opposite the site. The reef is a long narrow one, and lies in 6 to 7 feet of water. The surrounding water is about 15 feet deep. The stations were not differentiated due to the scarcity of the oysters.

BIVALVE COLLECTIONS

1995 Some 50% of the medium sized oysters were dead on the reef. The single oysters were all covered with barnacles and very few spat were observed.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Oysters - SS dredge
Sediments - N/A

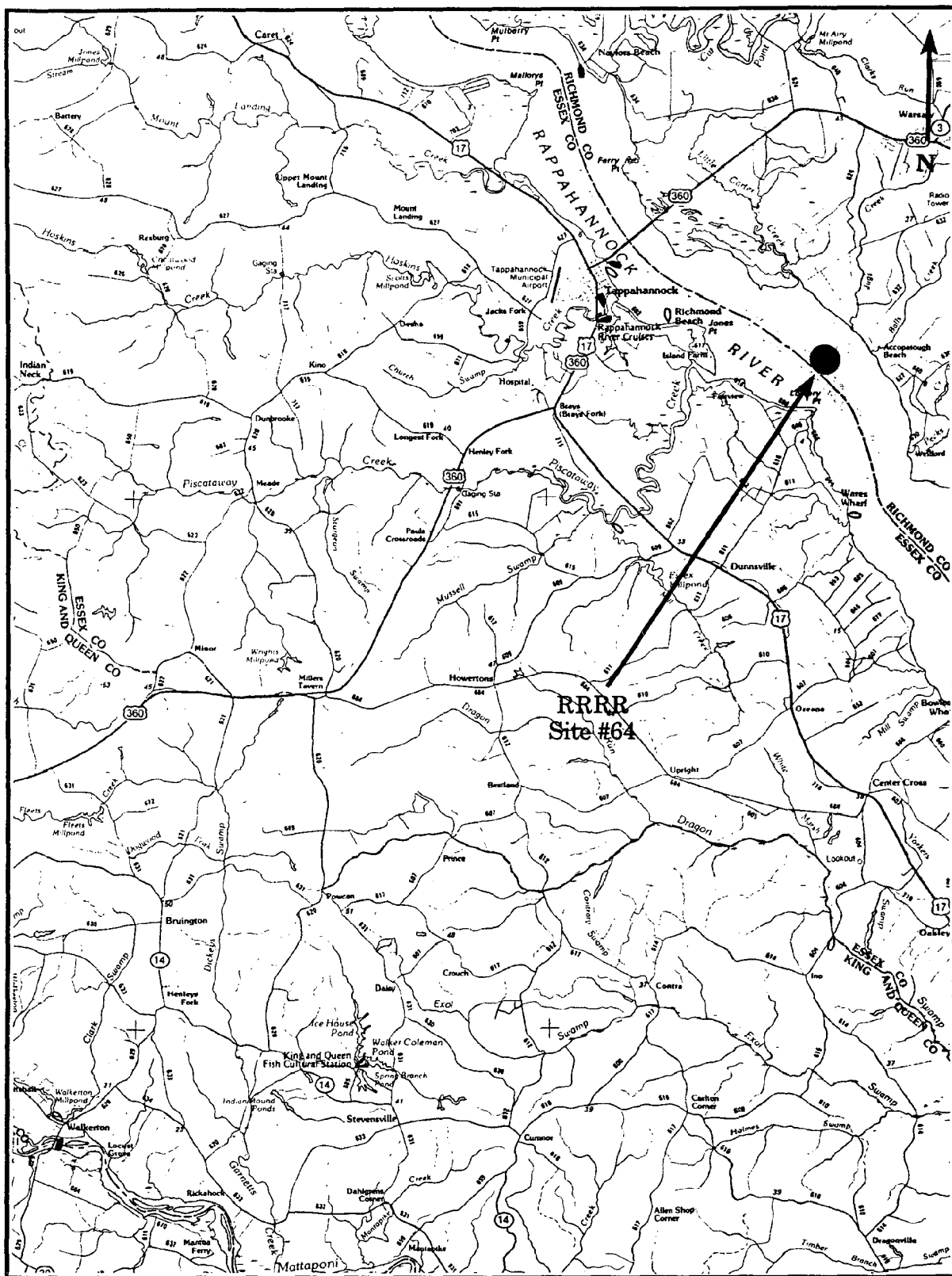
WATER DEPTH - subtidal, 3.0 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

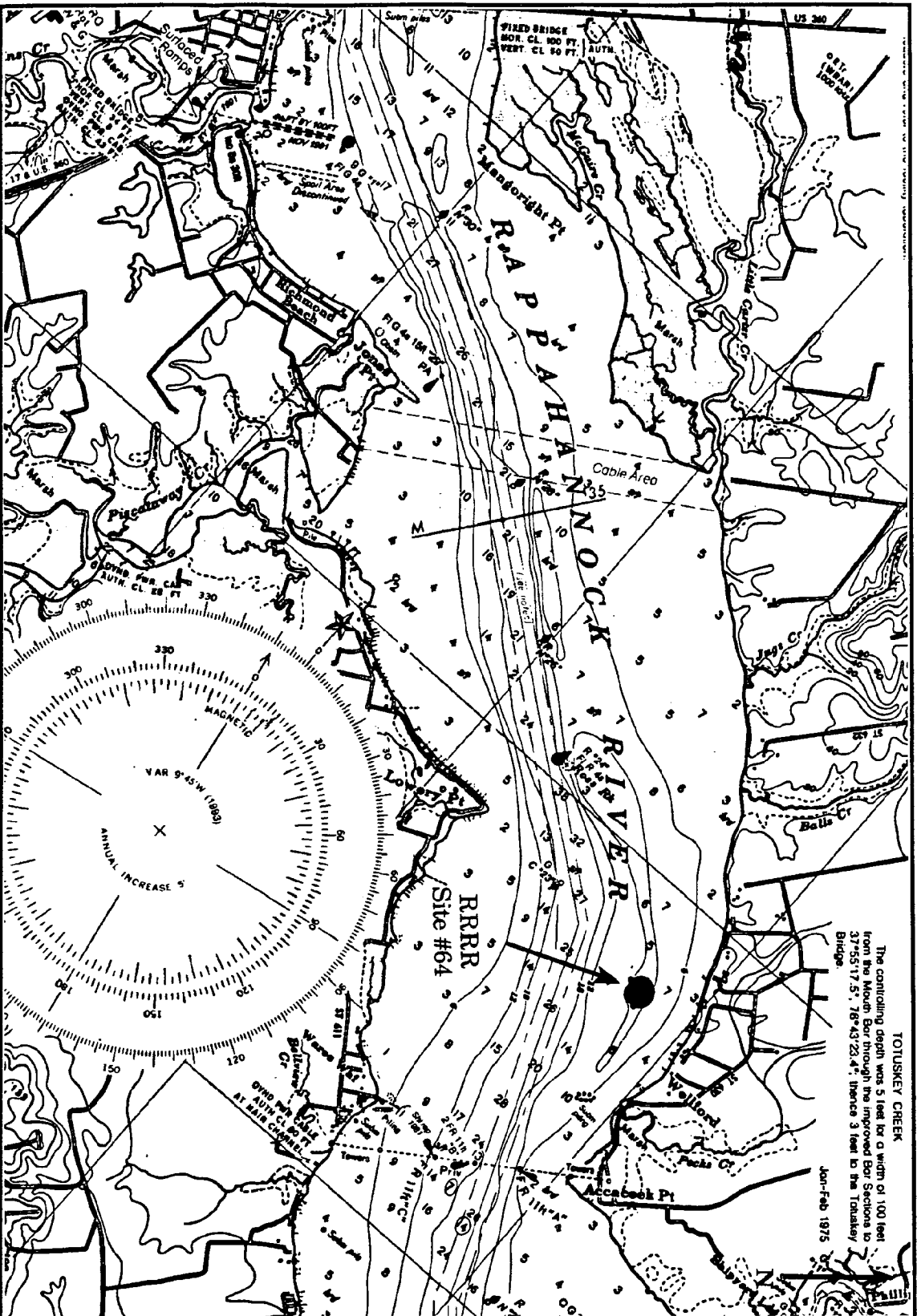
ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	10.0	6.8	1/14/95





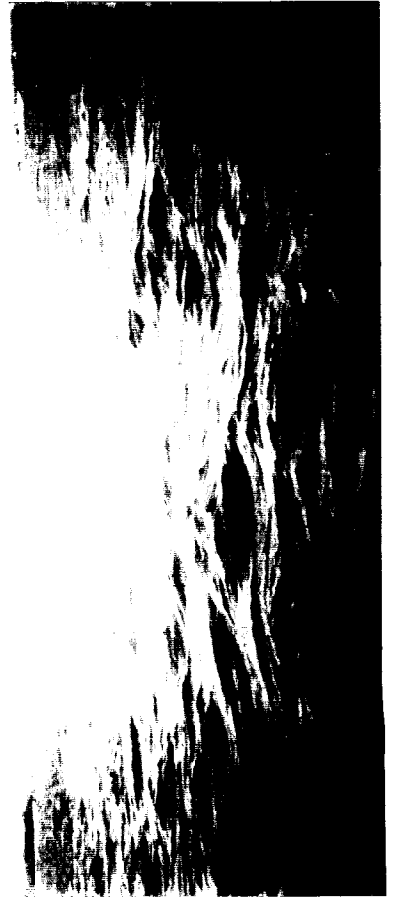
Site #64 (RRRR), Rappahannock River Ross Rock.



Site #64 (RRRR), Rappahannock Ross Rock (from chart 12237).



Site #64 (RRRR), Rappahannock Ross Rock



GERG SITE NUMBER - 65

DESIGNATOR - CBCI

SITE - CHINCOTEAGUE INLET, CHINCOTEAGUE BAY, VA

NOMINAL SITE CENTER - 37°56.31'N 76°22.55'W

LOCATED ON NOS CHART # - 12211

SITE ACCESS - This site is a walk-up and can be sampled by hand. Take Hwy. 13 south from Salisbury towards Cape Charles, turn left onto Hwy. 175 and drive towards Chincoteague Island. Cross over the bridge onto Marsh Island, which is between Black Narrows and Chincoteague Channel, and go to the new housing development.

SITE DESCRIPTION - The site is located at the northern tip of Marsh Island, and can be easily reached by walking along the beach on the western side of the island. The three stations were not differentiated due to the lack of oysters, and they were all collected from the northern tip of the island.

BIVALVE COLLECTIONS

1995 The entire area had been closed to oystering by the Maryland Dept. of Health. Oysters were very scarce and widely scattered across the mudflat and along the edges of the marsh grass.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Oysters - hand
Sediments - N/A

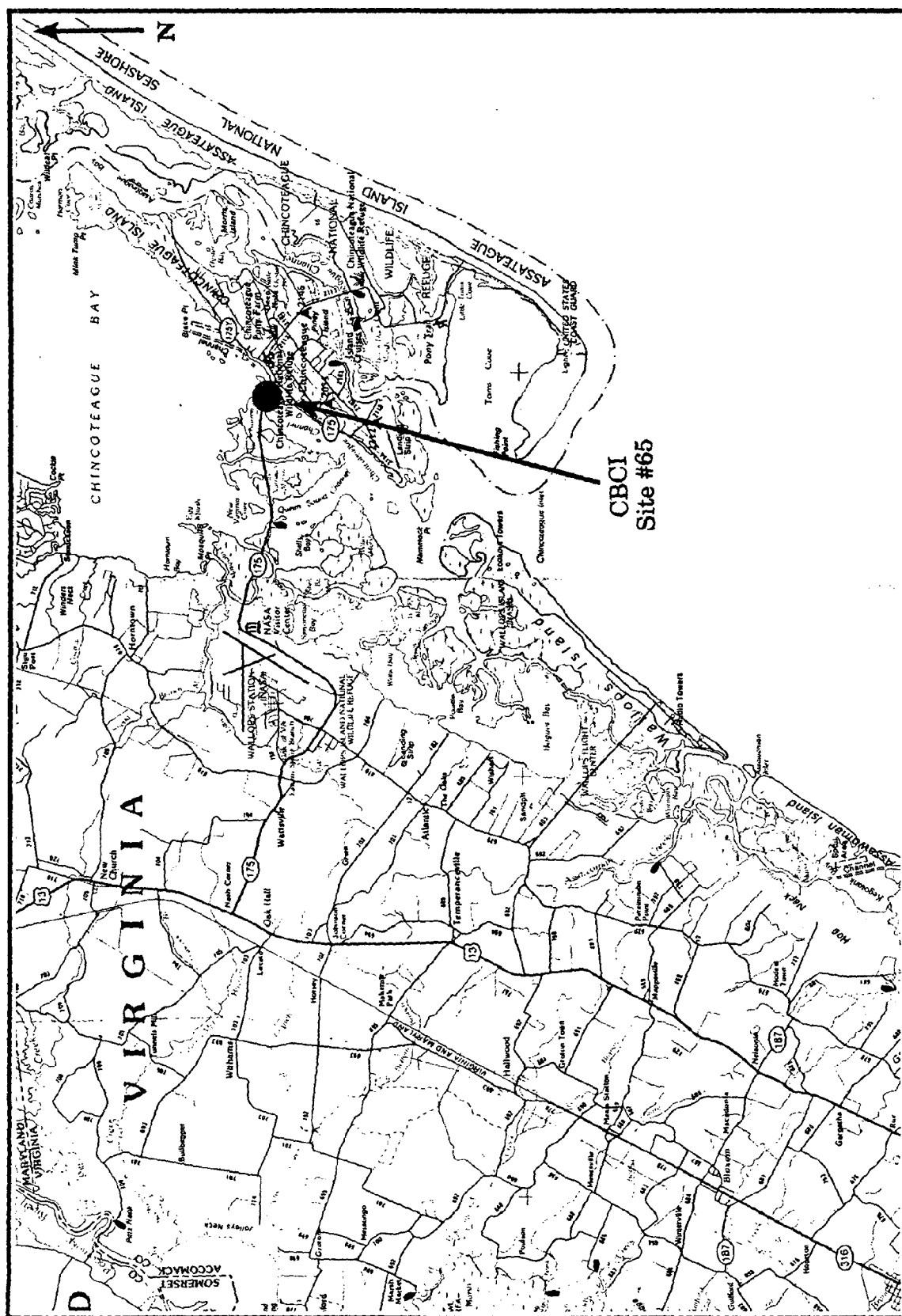
WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area. On the other side of the Chincoteague Channel there are numerous boat building and repair yards, as well as a number of small fishing docks.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	3.0	1/8/95





Site #65 (CBCI), Chincoteague Bay Chincoteague Inlet



Site #65 (CBCL), Chincoteague Bay Chincoteague Inlet



GERG SITE NUMBER - 66

DESIGNATOR - QIUB

SITE - UPSHUR BAY, QUINBY INLET, VA

NOMINAL SITE CENTER - 37°31.50'N 75°42.83'W

LOCATED ON NOS CHART # - 12210

SITE ACCESS - This site can only be accessed by boat, and should be sampled at low tide so as to facilitate the hand collection. Follow Hwy. 13 south down through Maryland and into Virginia, turn left onto Hwy. 182 (east) and drive to Quinby. Turn right onto Hwy. 606 past the Post Office and drive to the harbor where there is a boat ramp.

SITE DESCRIPTION - The site is accessed from Quinby, via the channel into Upshur Bay - from green channel marker "9". The stations were not differentiated due to the lack of oysters, and the sample is a composite one from the entire whole area.

BIVALVE COLLECTIONS

1995 Oysters were very scarce in the entire area, with only a few medium sized oysters being available for sampling. There was a great deal of spat. The true site location should probably read - 37°31.47'N, 75°42.97'W.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

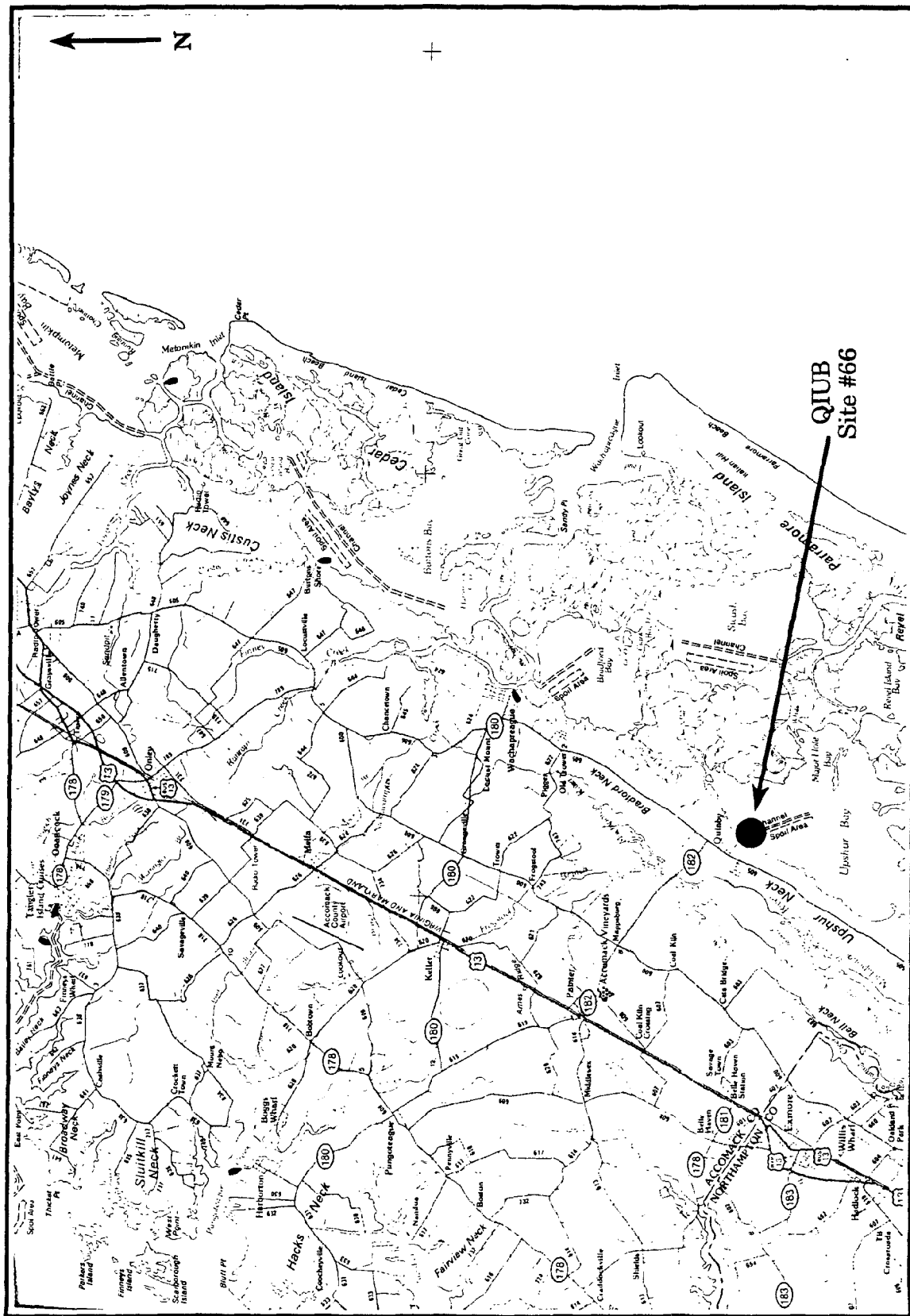
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

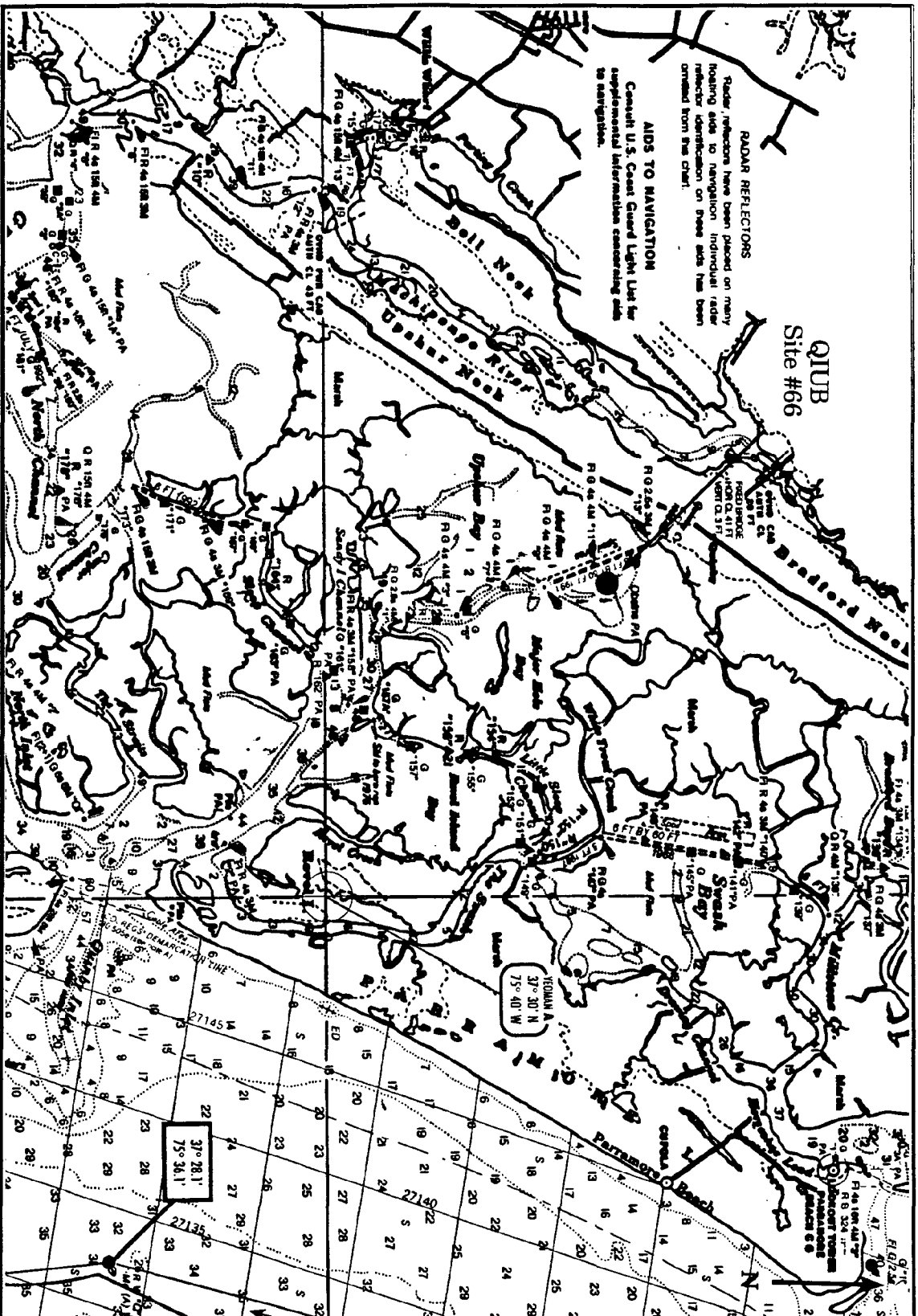
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the immediate surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	32.0	8.5	1/19/95



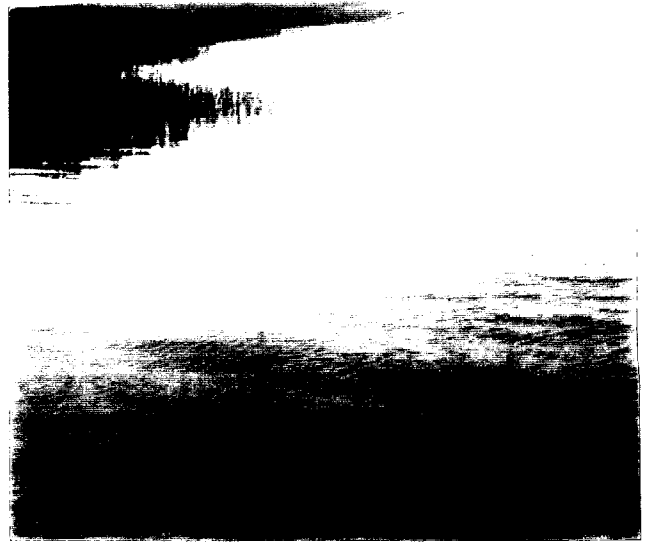
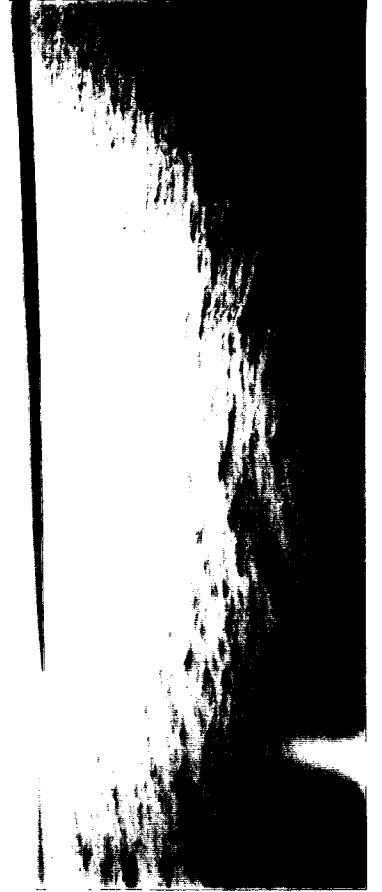
Site #66 (QIUB), Quinby Inlet Upshur Bay



Site #66 (QIUB), Quinby Inlet Upshur Bay (from chart 12210).



Site #66 (QIUB), Quinby Inlet Upshur Bay



GERG SITE NUMBER - 67

DESIGNATOR - CBCC

SITE - CAPE CHARLES, CHESAPEAKE BAY, VA

NOMINAL SITE CENTER - 37°17.07'N 76°00.92'W

LOCATED ON NOS CHART # - 12224

SITE ACCESS - This site is a walk-up, and can easily be accessed on foot. Follow Hwy. 13 south down through Maryland and into Virginia, and then turn right (west) onto Hwy. 680 just south of Cheriton. There is a large sign here for the Cherrystone Campground, at the stoplight.

SITE DESCRIPTION - The Cherrystone Aqua Farm is right next to the campground, with the site being on the bayside of the largest marsh island 0.25 miles offshore, opposite the pumping station. Station 1 is located at the northern end of the island, Station 2 is at the broadest part of the island where there is a small shell beach and Station 3 is located at the narrow southern end of the island.

BIVALVE COLLECTIONS

1995 The few oysters that were found were scattered across the entire area, along the edge of the marsh grass and just out from the edge of the island.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

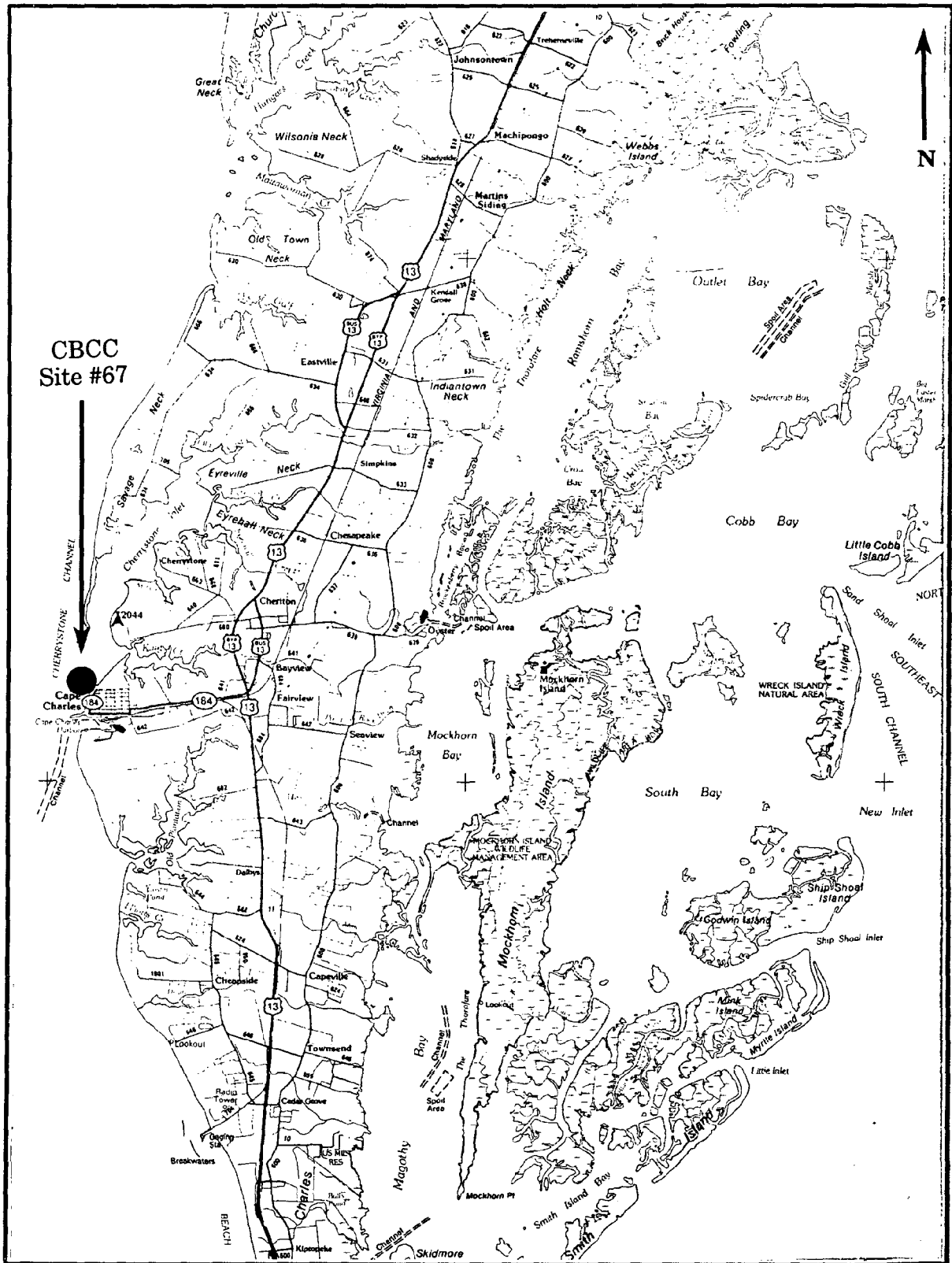
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

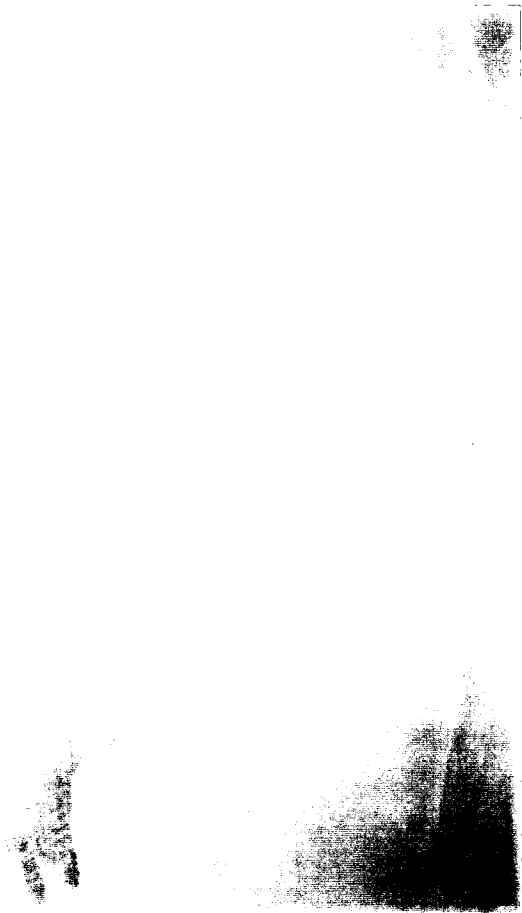
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

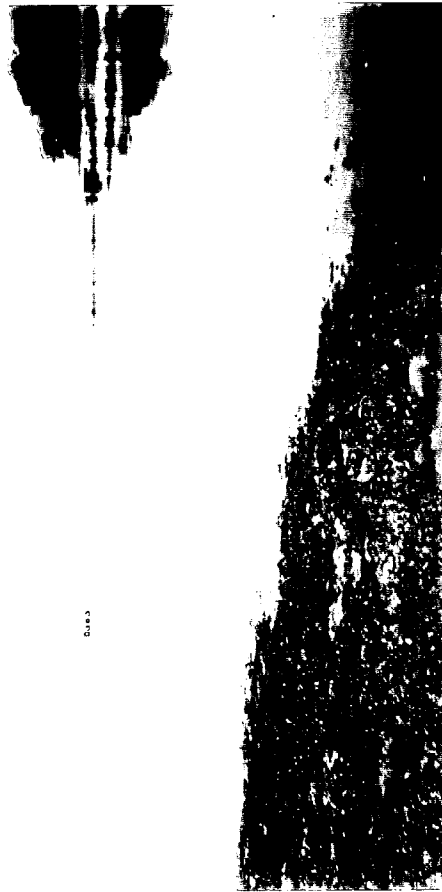
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	22.0	5.3	1/9/95



Site #67 (CBCC), Chesapeake Bay Cape Charles



Site #67 (CBCC), Chesapeake Bay Cape Charles



GERG SITE NUMBER - 68

DESIGNATOR - CBDP

SITE - DANDY POINT, CHESAPEAKE BAY, VA

NOMINAL SITE CENTER - 37°05.90'N 76°17.69'W

LOCATED ON NOS CHART # - 12238

SITE ACCESS - The site has to be accessed by boat, from the Dandy Point public boat ramp. The run time is less than three minutes. Follow Interstate 64 through Newport News into Hampton, then take a left onto Mercury Blvd. (also 4517) away from the James River Bridge. Turn left again onto Hwy. 169 south (also called Fox Hill Road) and follow the road to Dandy Point Road and on to the end.

SITE DESCRIPTION - The site lies just to the north of a marsh island to the northwest of Dandy Point. There is a small brown wooden cabin, with an orange roof, on the east end of the island. There is also a small wooden pier extending out to the east from the cabin. Station 1 is located at the western point of the island, Station 2 is on the north side off the middle of the island and Station 3 is at the eastern end of the island.

BIVALVE COLLECTIONS

1995 The entire area is covered with mussels, and there were only a few small and occasionally medium sized oysters to be found. It would be easier to collect this site at low tide, when the oysters could be seen and collected by hand.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

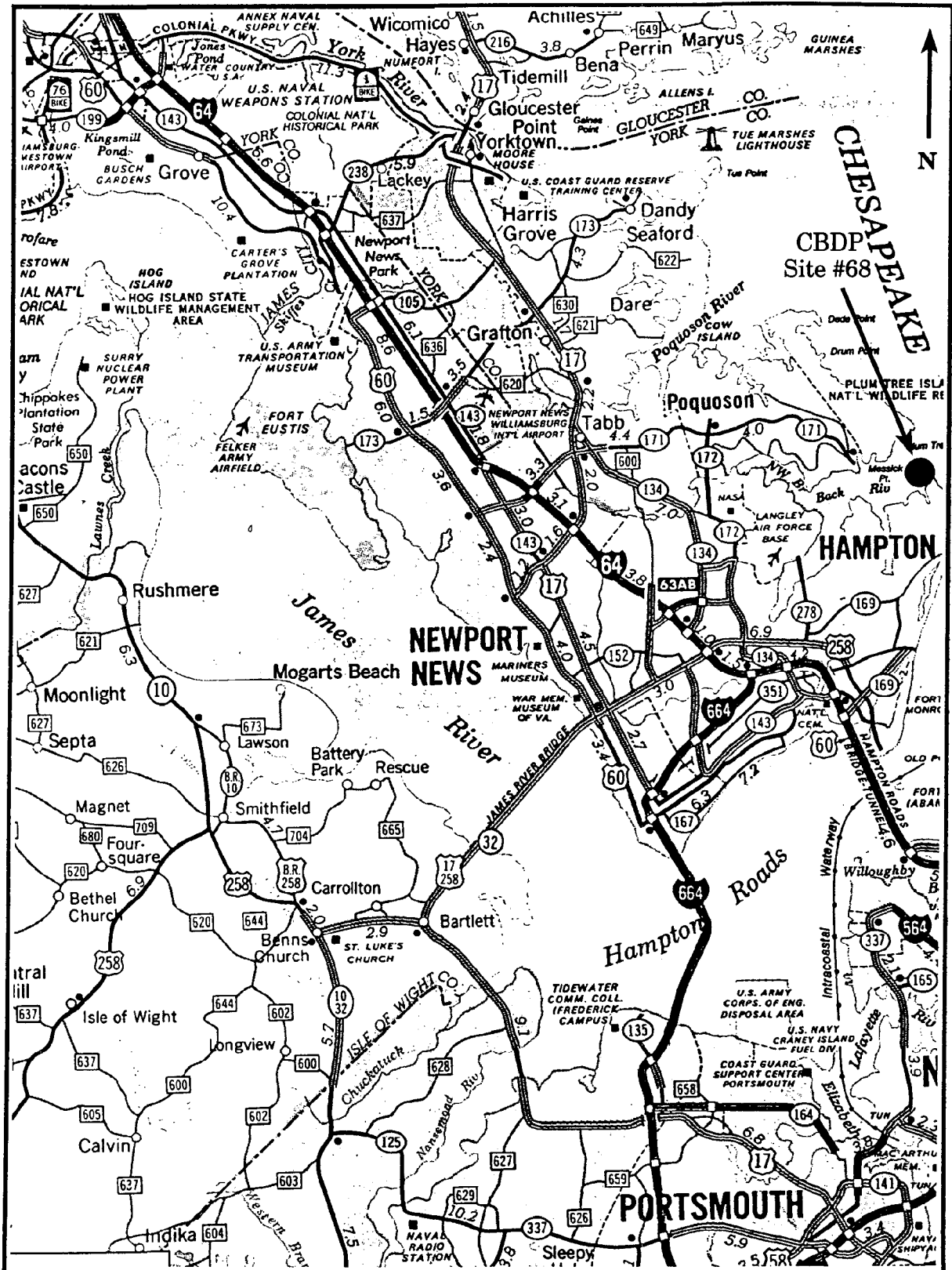
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

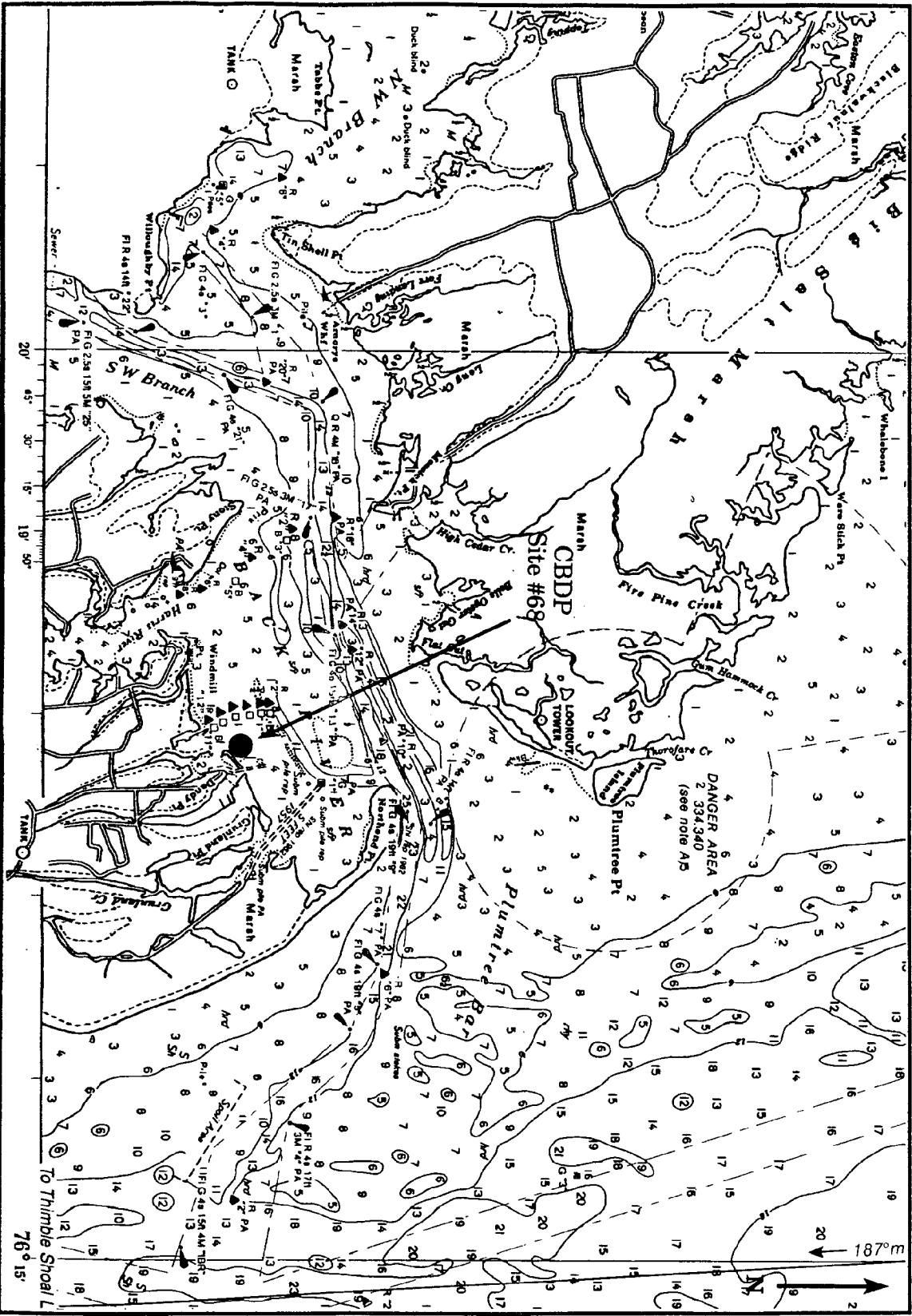
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

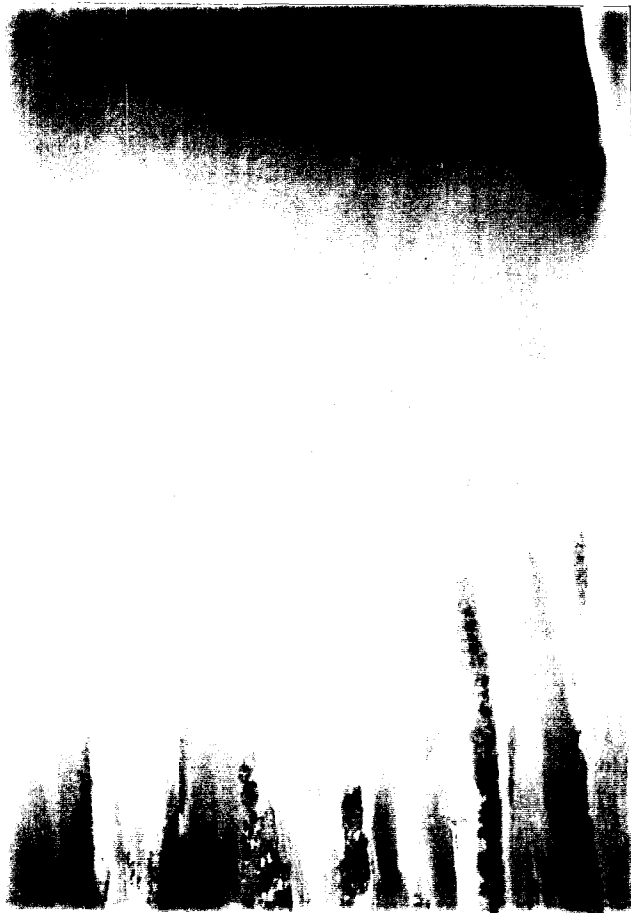
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	21.0	8.5	1/18/95



Site #68 (CBDP), Chesapeake Bay Dandy Point



Site #68 (CBDP), Chesapeake Bay Dandy Point (from chart 12222).



Site #68 (CBDP), Chesapeake Bay Dandy Point



GERG SITE NUMBER - 69

DESIGNATOR - CBJR

SITE - JAMES RIVER, CHESAPEAKE BAY, VA

NOMINAL SITE CENTER - 37°03.92'N 76°37.93'W

LOCATED ON NOS CHART # - 12248

SITE ACCESS - This site is accessed by small boat, launched out of Tyler Beach on the James River. From Newport News, cross over the river on the James River Bridge and go west onto Route 32. Turn west again onto Route 10 and follow the signs to the public boat ramp at Tyler Beach. From the boat ramp exit out via the channel into James River, at the green channel marker "1" take a bearing of 65° and head the 1.9 miles to the site.

SITE DESCRIPTION - The site is located on the southeast corner of the Point of Shoals, in Burwell Bay on the James River. The location is approximately equidistant from the green channel marker "1" and the Rocklanding Shoal Channel green can buoy "13". The area is extensively tonged by commercial oystermen. The stations were not differentiated due to the lack of oysters over the entire area.

BIVALVE COLLECTIONS

1995 The oysters were scarce and generally medium in size.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Oysters - SS dredge

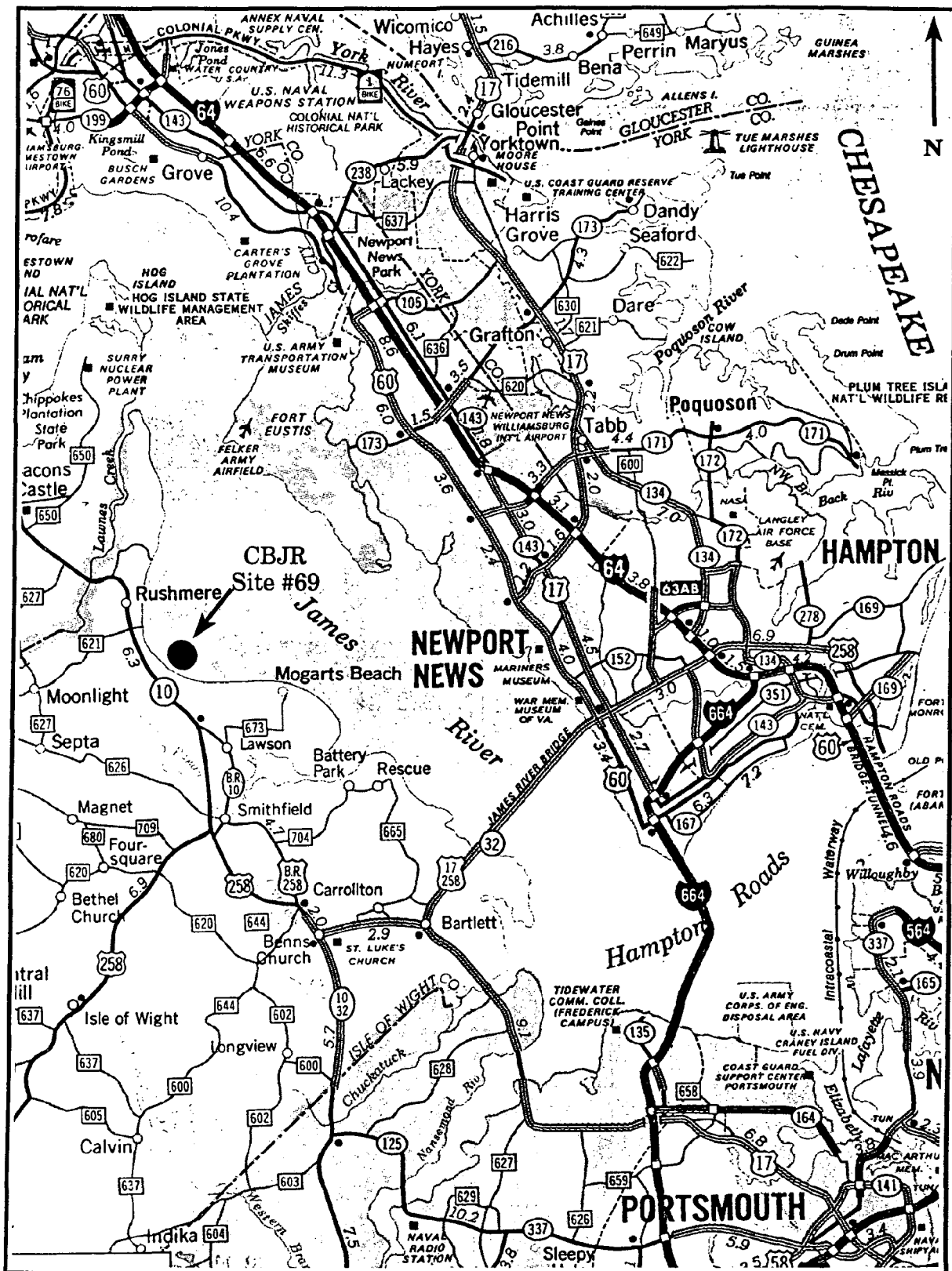
Sediments - N/A

WATER DEPTH - subtidal, 3.5 m

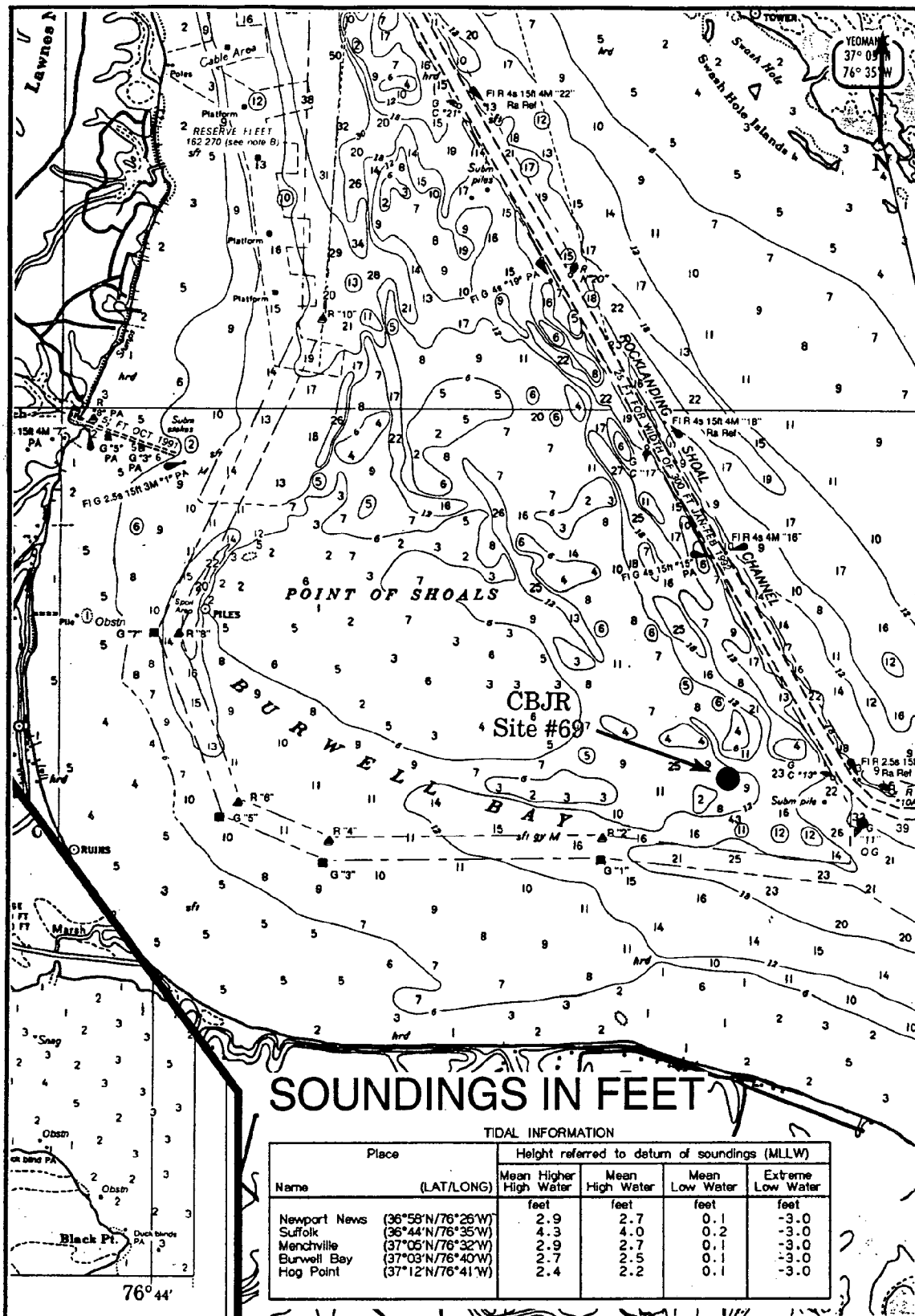
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area. There is the potential for contamination from outflow from the James River. There are also numerous naval and commercial dockyards and storage areas along the river.

ENVIRONMENTAL DATA

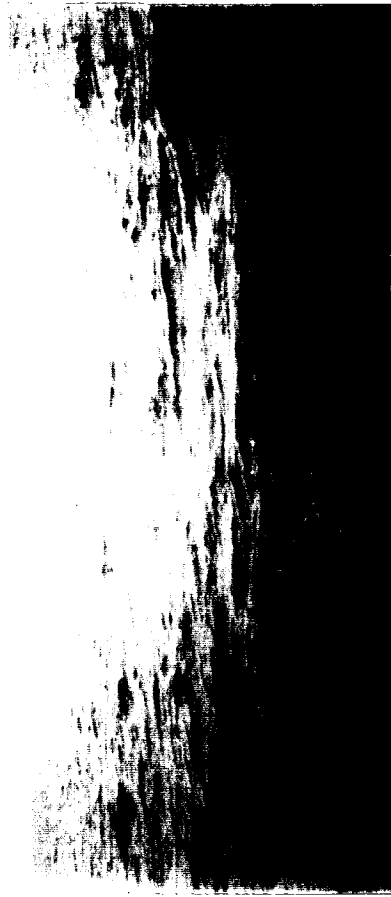
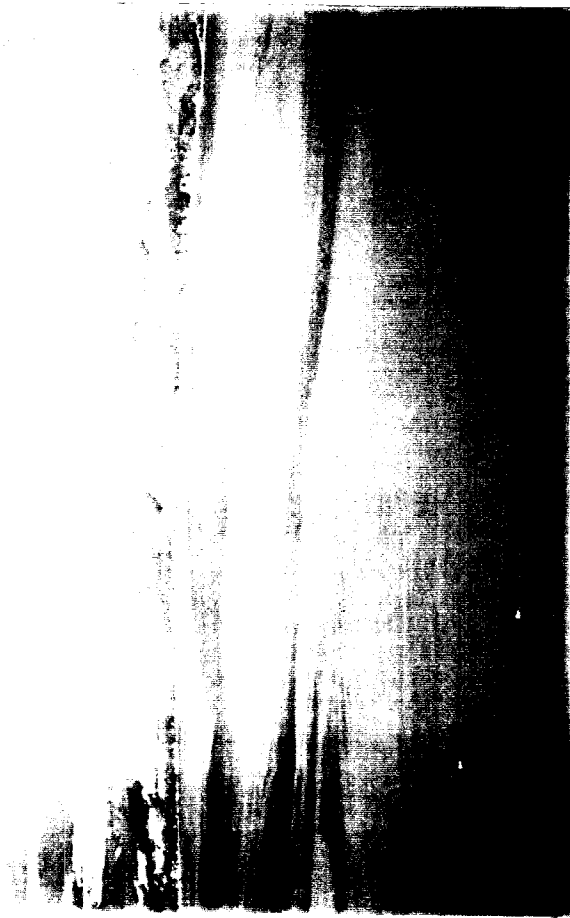
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	8.0	8.0	1/18/95



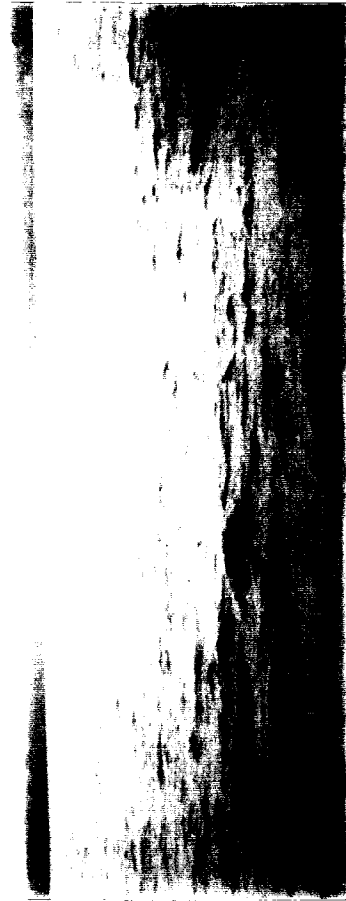
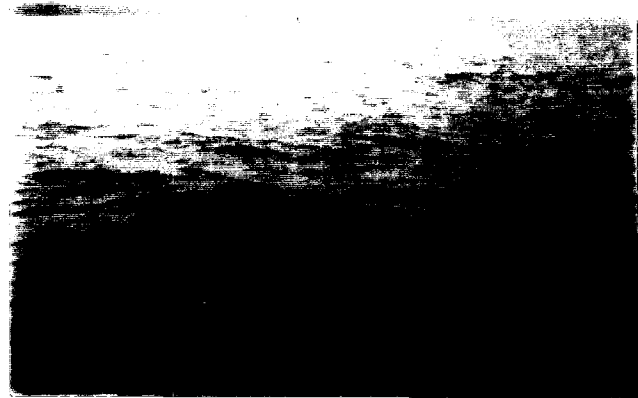
Site #69 (CBJR), Chesapeake Bay James River



Site #69 (CBJR), Chesapeake Bay James River (from chart 12248).



Site #69 (CBJR), Chesapeake Bay James River



NORTH CAROLINA SITES

GERG SITE NUMBER - 70

DESIGNATOR - RSJC

SITE - JOHN CREEK, ROANOKE SOUND, NC

NOMINAL SITE CENTER - 35°53.39'N 75°38.02'W

LOCATED ON NOS CHART # - 12204

SITE ACCESS - This site is accessed by boat launched at the boat ramp under the western end of the Washington Baum Bridge. From Camden, in North Carolina, follow Hwy. 158 south to Nags Head. Take Hwy. 64/264 over the Washington Baum Bridge and the public ramp in under the south side at the west end of the bridge. Pirates Cove Yacht Club is on the north side of the road/bridge. Follow the channel out to the red marker "4", and the site will be 75 meters due west.

SITE DESCRIPTION - The site is located at the mouth of John Creek, into the Roanoke Sound Channel. This is about 0.25 miles south of the west end of the bridge. The stations were not differentiated due to the size of the reef.

BIVALVE COLLECTIONS

1995 Medium sized oysters were fairly common in the area, with a tremendous amount of fresh "dead" shells also being present.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Oysters - SS dredge
Sediments - N/A

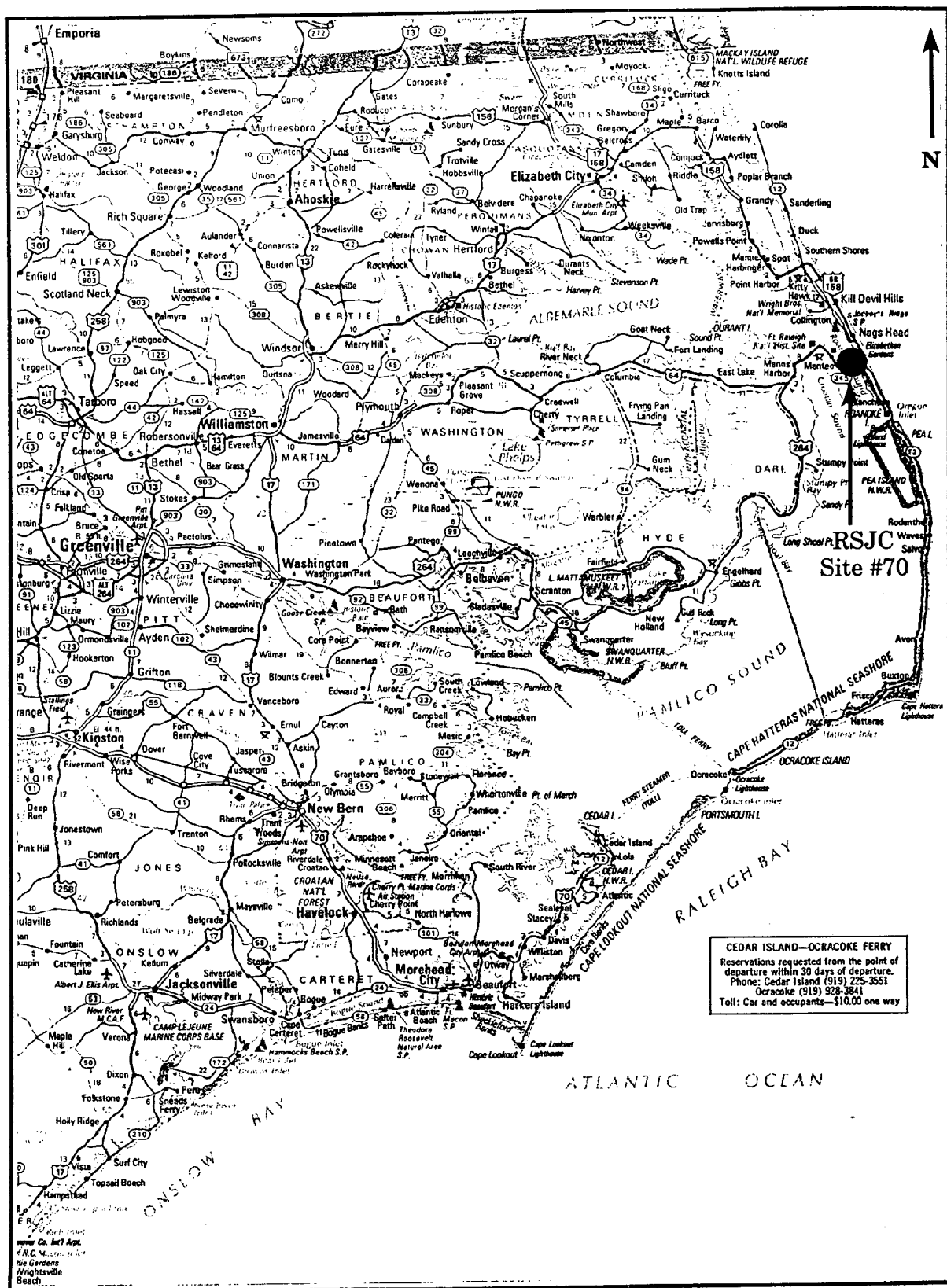
WATER DEPTH - subtidal, 1.0 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

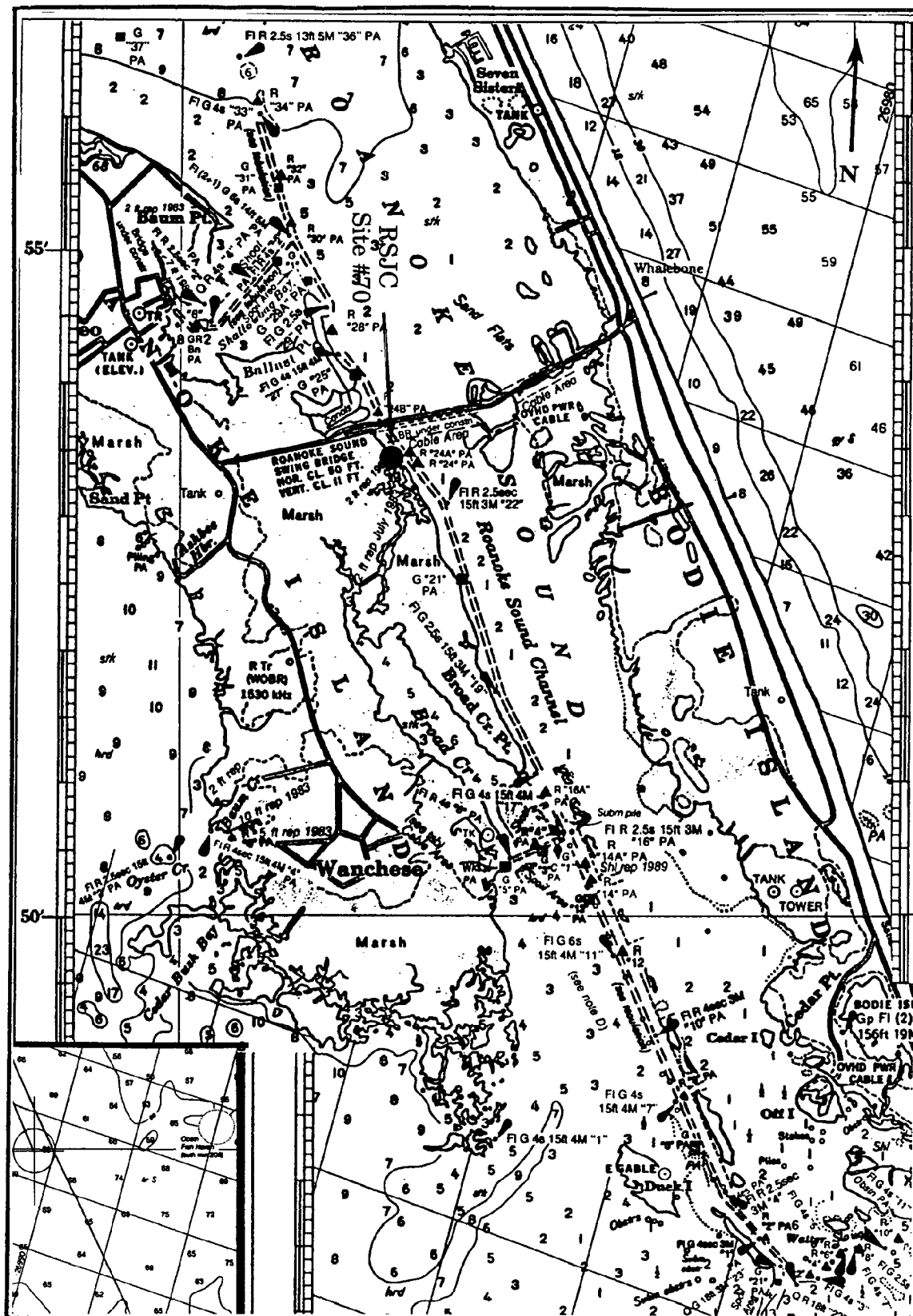
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	20.0	8.5	1/21/95





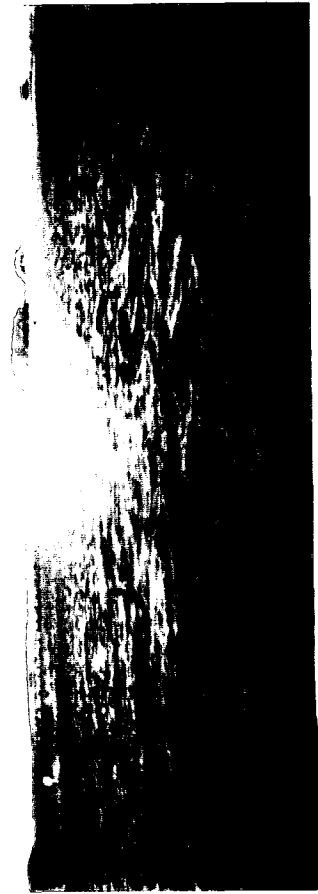
Site #70 (RSJC), Roanoke Sound John Creek

Site #70 (RSJC), Roanoke Sound John Creek





Site #70 (RSJC), Roanoke Sound John Creek



GERG SITE NUMBER - 71

DESIGNATOR - PSCH

SITE - CAPE HATTERAS, PAMLICO SOUND, NC

NOMINAL SITE CENTER - 35°12.18'N 75°42.96'W

LOCATED ON NOS CHART # - 11555

SITE ACCESS - This site is a walk-up, with relatively easy access following a short walk. Follow Hwy. 158 south from Nags Head to Road 12, then along the Cape Hatteras National Seashore to cape Hatteras. At the end of the road there will be a US Coastguard Station on your right, park in the Atlantic Ocean View area on the left. From here, walk down the sand road and take the first sand road to your right. This road dead ends into the bay, turn left here and walk along the shoreline/beach for about 100 meters to the site.

SITE DESCRIPTION - The site is located on the inshore side of the barrier island. The stations were not differentiated due to the lack of oysters and good local landmarks.

BIVALVE COLLECTIONS

1995 The few small oysters were scattered along the shoreline in small clumps. All of the oysters had very thin shells.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

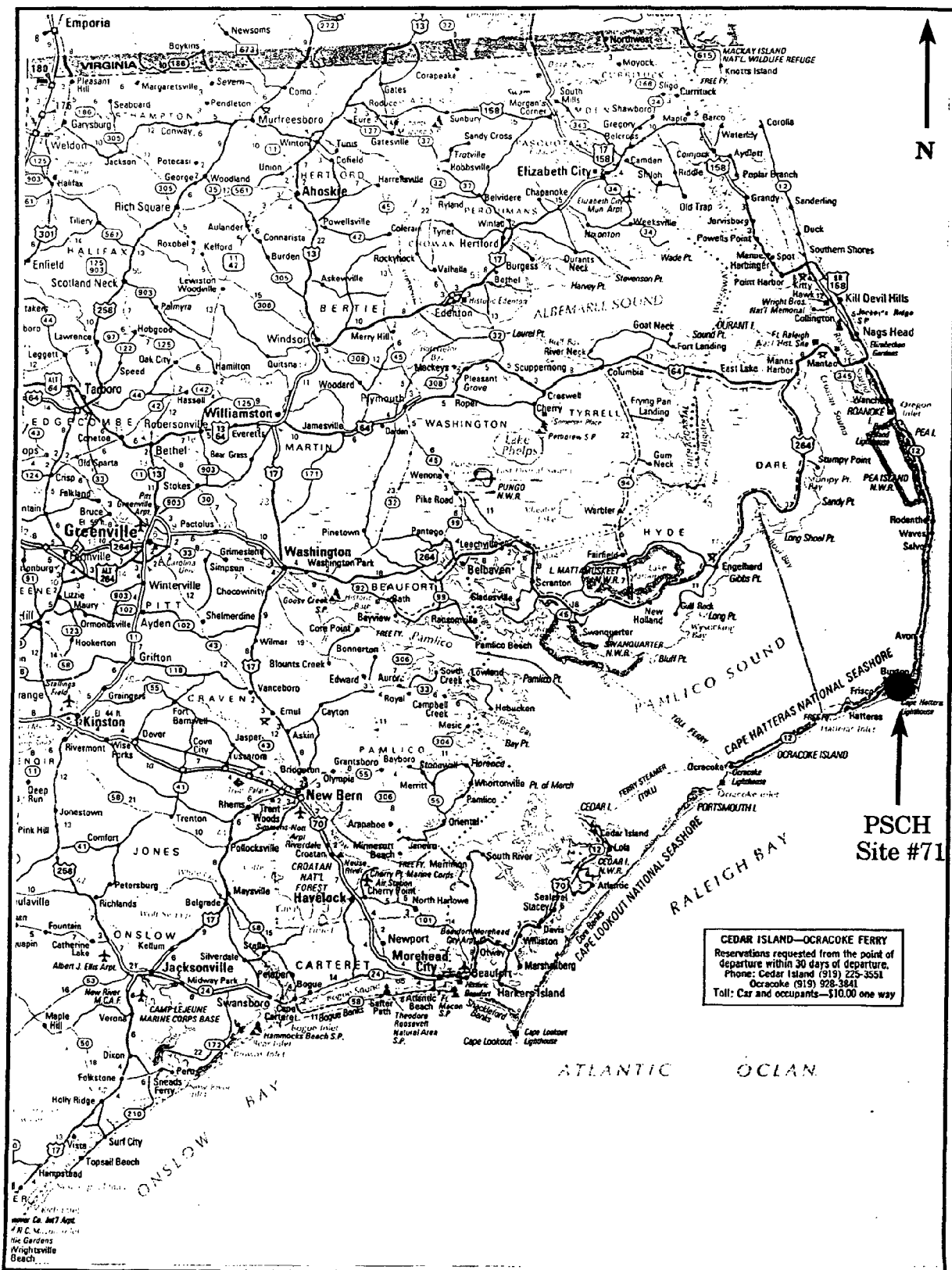
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

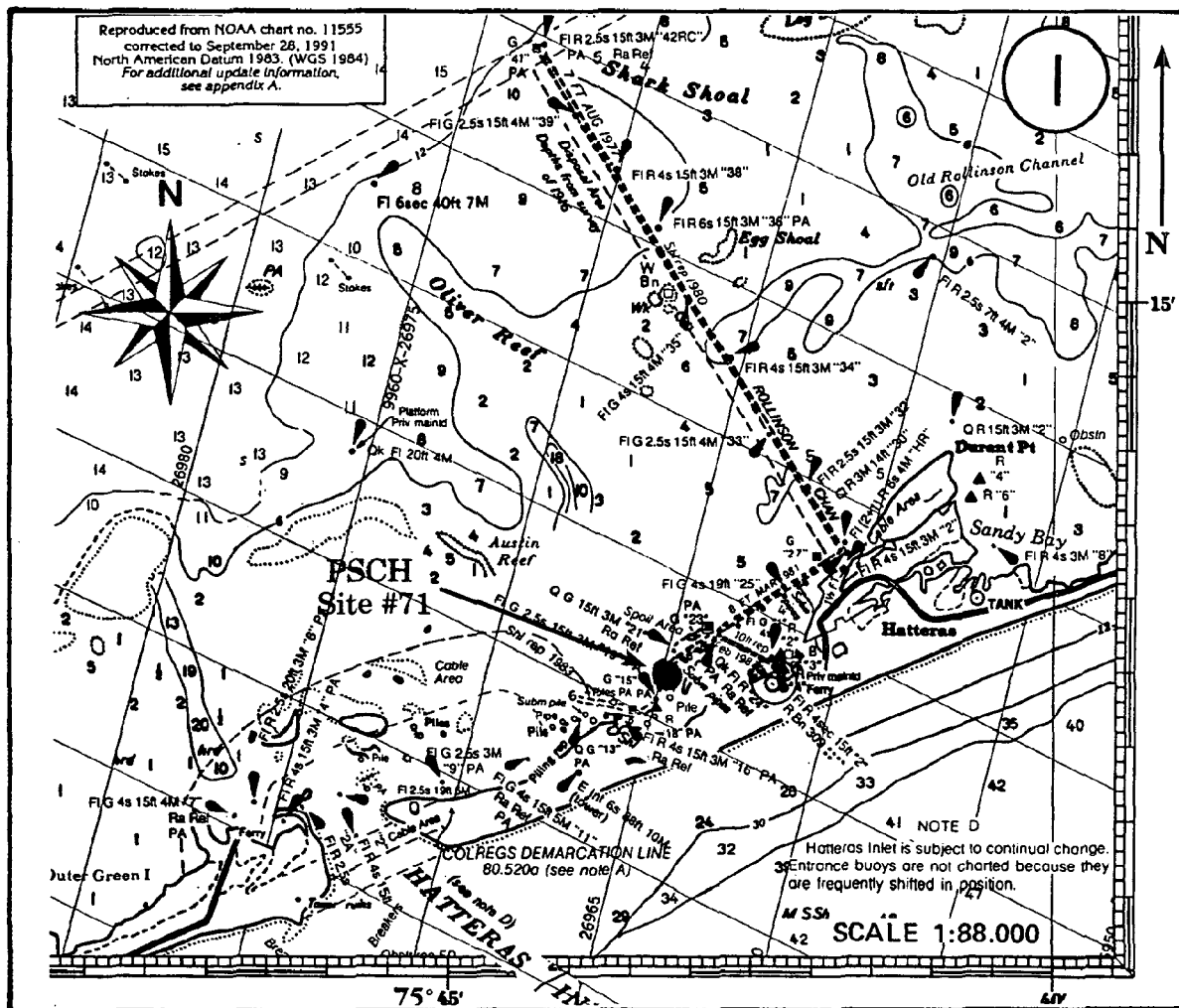
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	29.0	10.0	1/21/95



Site #71 (PSCH), Pamlico Sound Cape Hatteras



Site #71 (PSCH), Pamlico Sound Cape Hatteras (from chart 11555).



Site #71 (PSCH), Pamlico Sound Cape Hatteras



GERG SITE NUMBER - 72

DESIGNATOR - PSWB

SITE - WYSOCKING BAY, PAMLICO SOUND, NC

NOMINAL SITE CENTER - 35°24.74'N 76°02.38'W

LOCATED ON NOS CHART # - 11555

SITE ACCESS - The site can only be accessed by boat, launched at the boat ramp in Gull Rock, next to the Gibb's General Store. From Nags Head on Bodie Island, cross over the Roanoke Sound on the Washington Baum Bridge (Hwy. 64/264) and then take Hwy. 264 south to Lake Landing. Take a left here on Landing Road and head the 4 miles south to where the road makes a sharp right turn towards Gull Rock. The boat ramp is right there next to the general store (there is no name on the store front). Follow the channel from the boat ramp to where it forms a "T", turn right (south) into the main channel that will take you out into Wysocking Bay.

SITE DESCRIPTION - The site is in Wysocking Bay, near the red channel marker "6". The area is fairly shallow and the reef is not well defined. The stations were not differentiated as the oysters were scattered and few in numbered.

BIVALVE COLLECTIONS

1995 The oysters were very scarce and generally less than 6 cm in length. They all occurred as singles. and were covered with sea-squirts.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

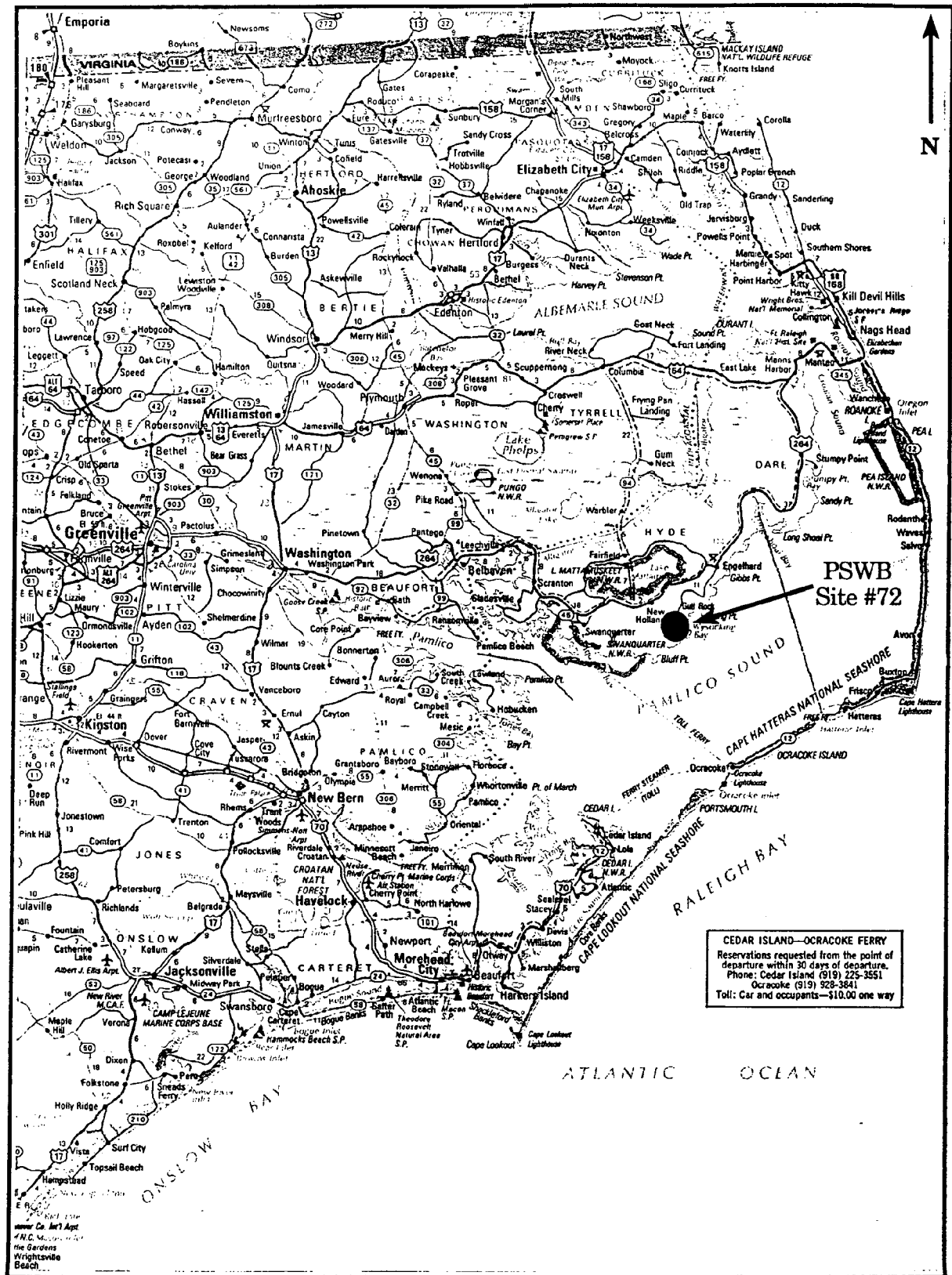
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 3.0 m

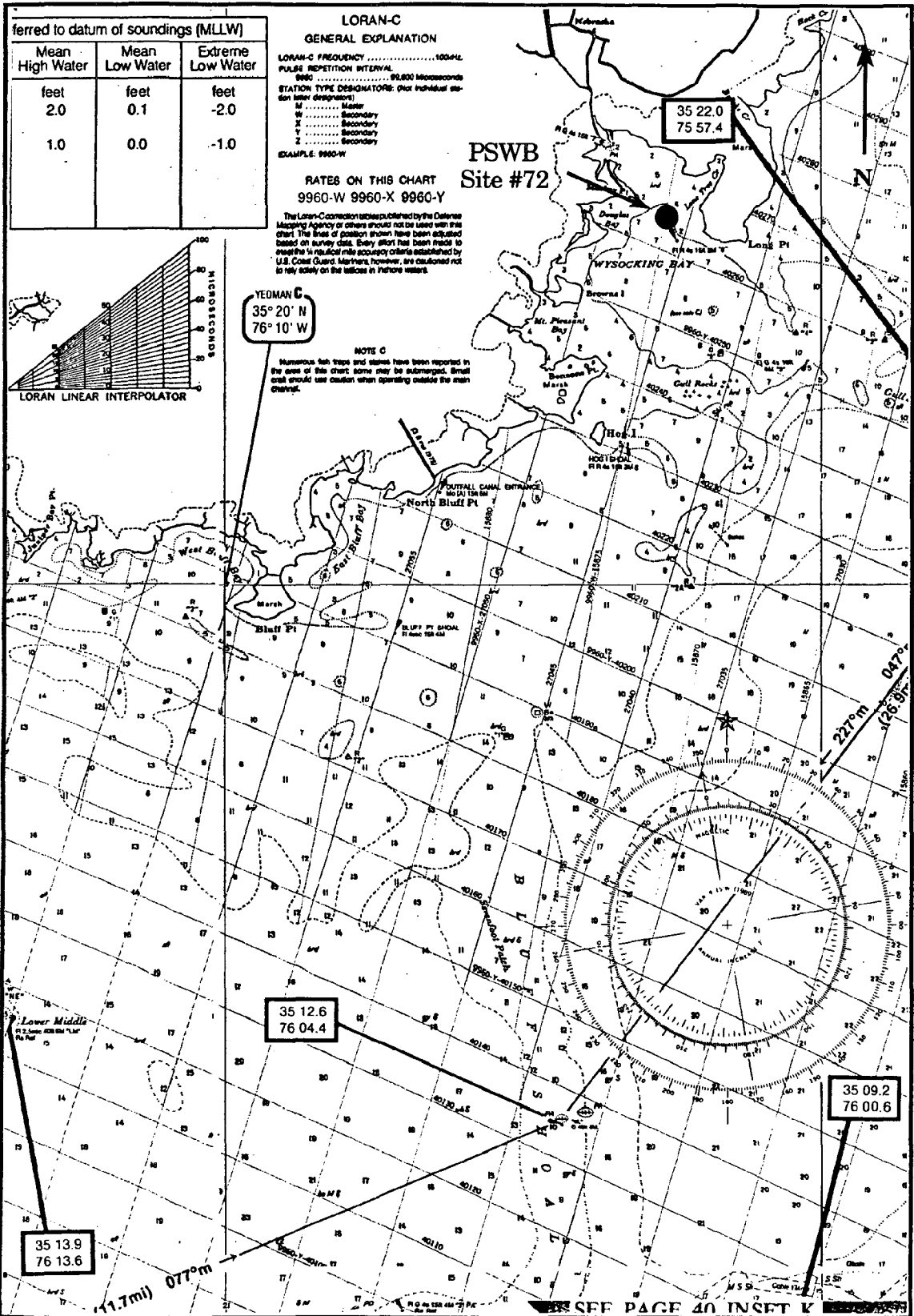
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

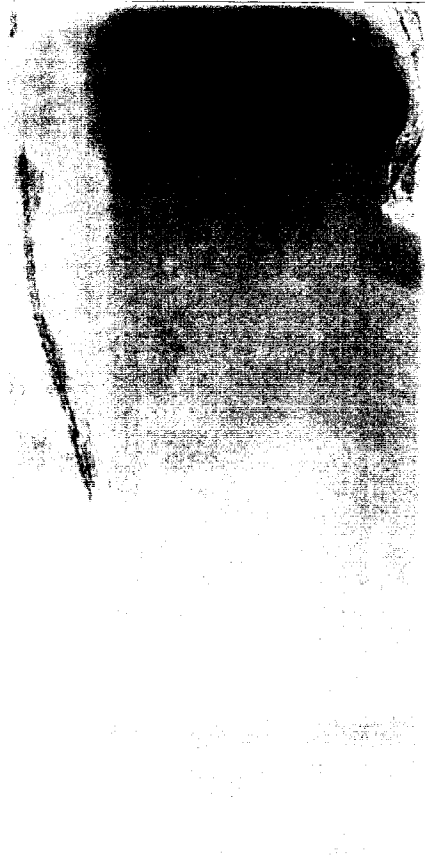
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	22.0	7.7	1/22/95



Site #72 (PSWB), Pamlico Sound Wysocking Bay.



Site #72 (PSWB), Pamlico Sound Wysocking Bay (from chart 11548).



Site #72 (PSWB), Pamlico Sound Wysoching Bay



GERG SITE NUMBER - 73

DESIGNATOR - PSPR

SITE - PUNGO RIVER, PAMLICO SOUND, NC

NOMINAL SITE CENTER - 35°17.76'N 76°29.35'W

LOCATED ON NOS CHART # - 11548

SITE ACCESS - This site has to be accessed by boat, from the boat ramp at the end of Oyster Creek Road. From Hwy. 70 in New Bern, take Hwy. 55 east to Bayboro. Then follow Hwy. 304 east towards Hobucken, then turn left onto the Lowland Road (Rd 1230) and then turn left again onto Horne Road (Rd 1234). Follow Horne Road to Oyster Creek Road and drive to the end where there is an Oyster Plant. The ramps are located just before the Plant, the middle one is the best to use. From the boat ramp, follow the markers down the channel to green channel marker "1", then go east around Pamlico Point and south to the site in Mouse Harbor.

SITE DESCRIPTION - The site is now located in Mouse Harbor, just off Hogpen Point, in a public oyster bed. The bed is at the edge of a marshland and the area has numerous fairly shallow banks in the bay.

BIVALVE COLLECTIONS

1995 The old site was searched unsuccessfully for oysters, then the general area was searched and the site moved to Hogpen Point. The small oysters were very scarce, and were scattered throughout the area covered in sea-squirts.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 2.0 m

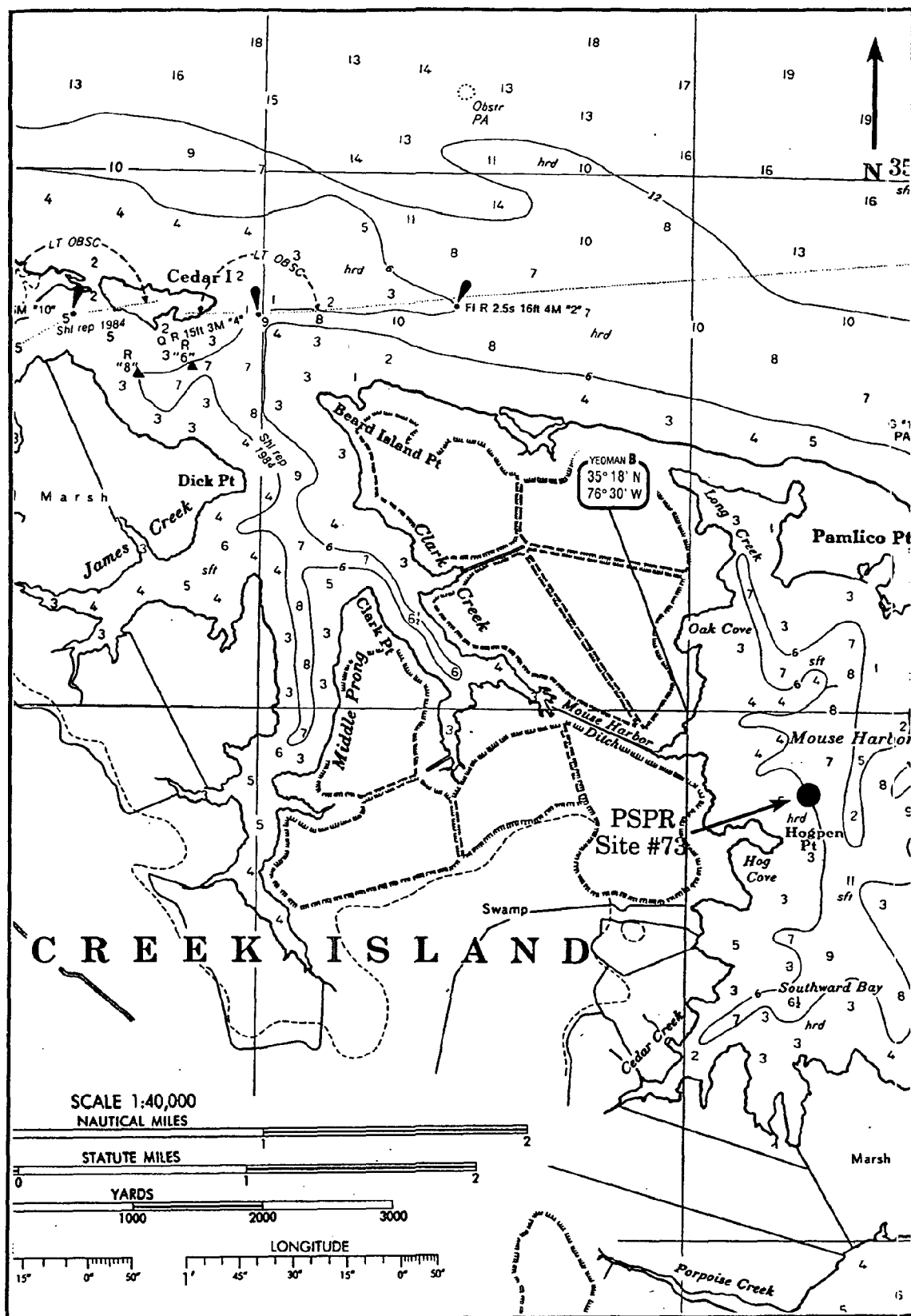
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

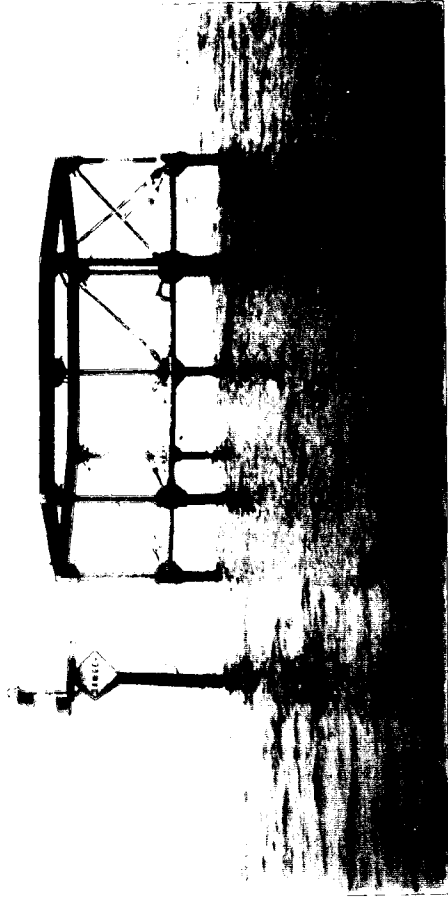
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	11.0	7.6	1/23/95



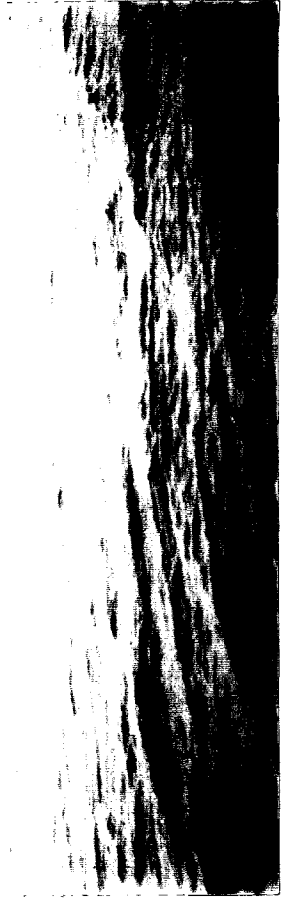
Site #73 (PSPR), Pamlico Sound Pungo River (from chart 11553).



Site #73 (PSPR), Pamlico Sound Pungo River



Site #73 (PSPR), Pamlico Sound Pungo River



GERG SITE NUMBER - 74

DESIGNATOR - PSNR

SITE - NEUSE RIVER, PAMLICO SOUND, NC

NOMINAL SITE CENTER - 35°05.34'N 76°31.32'W

LOCATED ON NOS CHART # - 11553

SITE ACCESS - The site can only be accessed by boat, and the oysters collected by dredging. From New Bern, follow Hwy. 55 east to Bayboro, then southeast towards Oriental. Turn left onto Rd. 1322 towards North Trent, after 1.5 miles turn left again onto Rd 1321. Follow the road to Rd 1325 (Brown's Creek) and turn right and drive towards Whortenville. Turn right onto the old Lumpton Road (Rd 1326) and drive to the end where the Slades Grocery Store is located along with the boat ramp. From the ramp, travel down the channel out to red channel marker "4", and the site is another 0.75 miles to the southeast in 18 - 20' of water.

SITE DESCRIPTION - The site is located to the east of Piney Point, in Pamlico Sound. The reef is about 20' underwater, and is surrounded by water that is 22 - 24' deep. This is not an easy reef to find. The stations were not differentiated due to the size of the reef, and to the scarcity of the oysters.

BIVALVE COLLECTIONS

1995 The small oysters were all very scarce, and occurred in clumps that were covered with lots of spat.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

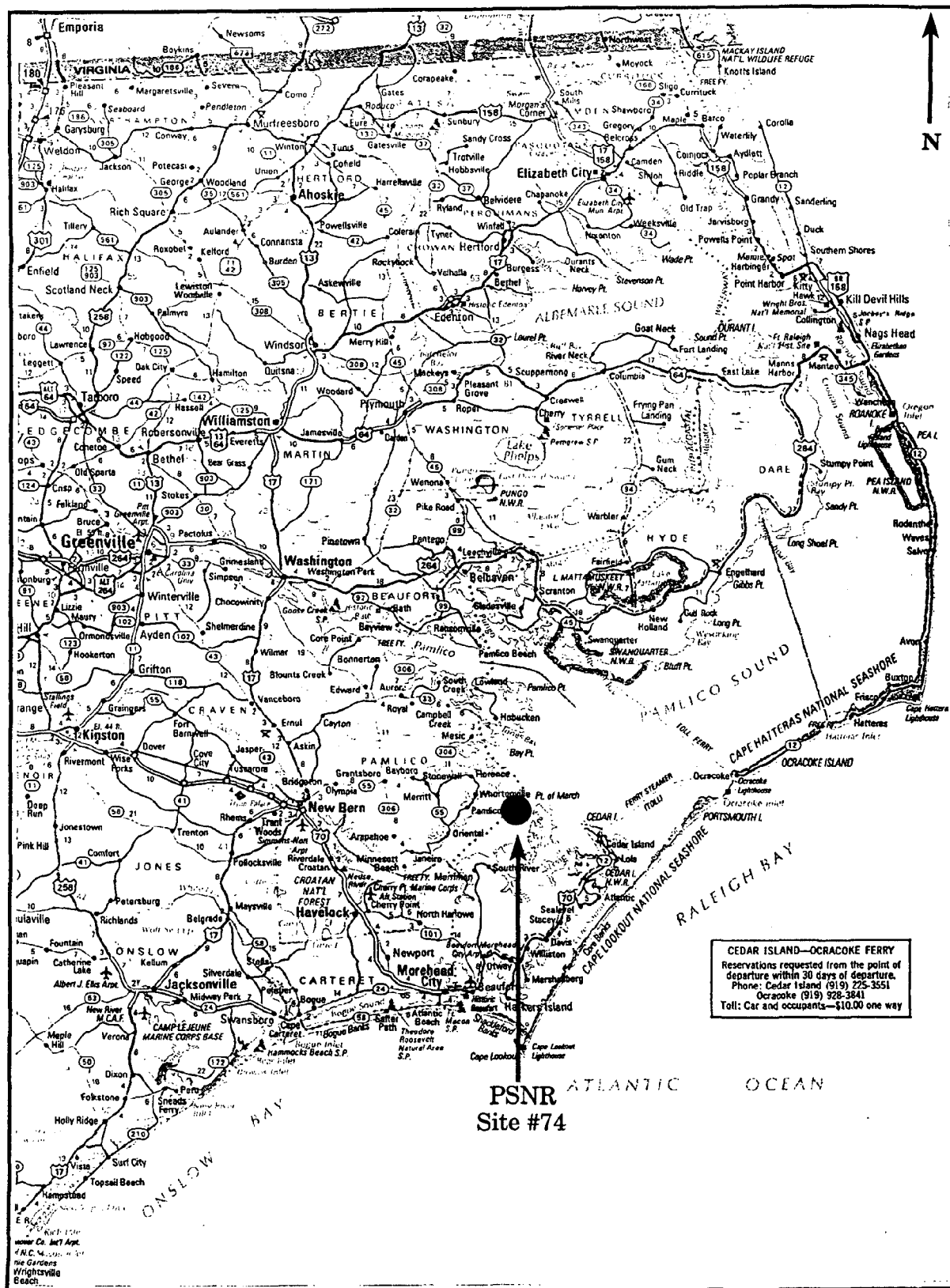
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 5.0 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

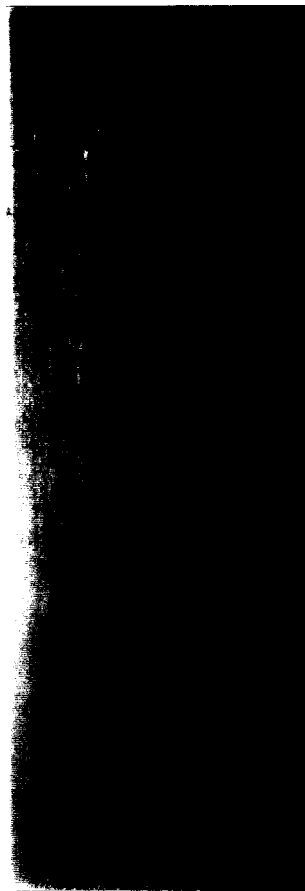
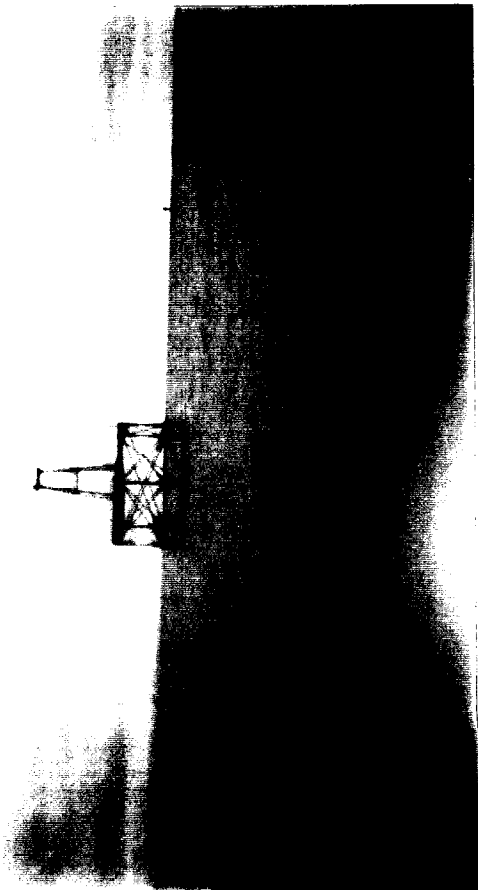
ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	21.0	8.5	1/23/95



Site #74 (PSNR), Pamlico Sound Neuse River

Site #74 (PSNR), Pamlico Sound Neuse River



GERG SITE NUMBER - 76

DESIGNATOR - CFBI

SITE - BATTERY ISLAND, CAPE FEAR, NC

NOMINAL SITE CENTER - 33°54.95'N 78°00.21'W

LOCATED ON NOS CHART # - 11534

SITE ACCESS - This site is an easy site to sample by hand, but has to be accessed by boat. Follow Hwy. 70 all the way south into Southport, make a right turn at the bank and drive to the boat ramps and marina at the end of the road.

SITE DESCRIPTION - The site is visible from the ramp, and is located at the northeastern corner of Battery Island. This site can easily be collected by hand at low tide, or by using dredge at high tide. Station 1 is at the northern tip of the island on the spit, Station 2 is to the southwest side of the spit and Station 3 is to the southeast of the spit.

BIVALVE COLLECTIONS

1995 Medium sized oysters were abundant throughout the area, occurring in clumps. There was a great deal of shells well throughout the area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

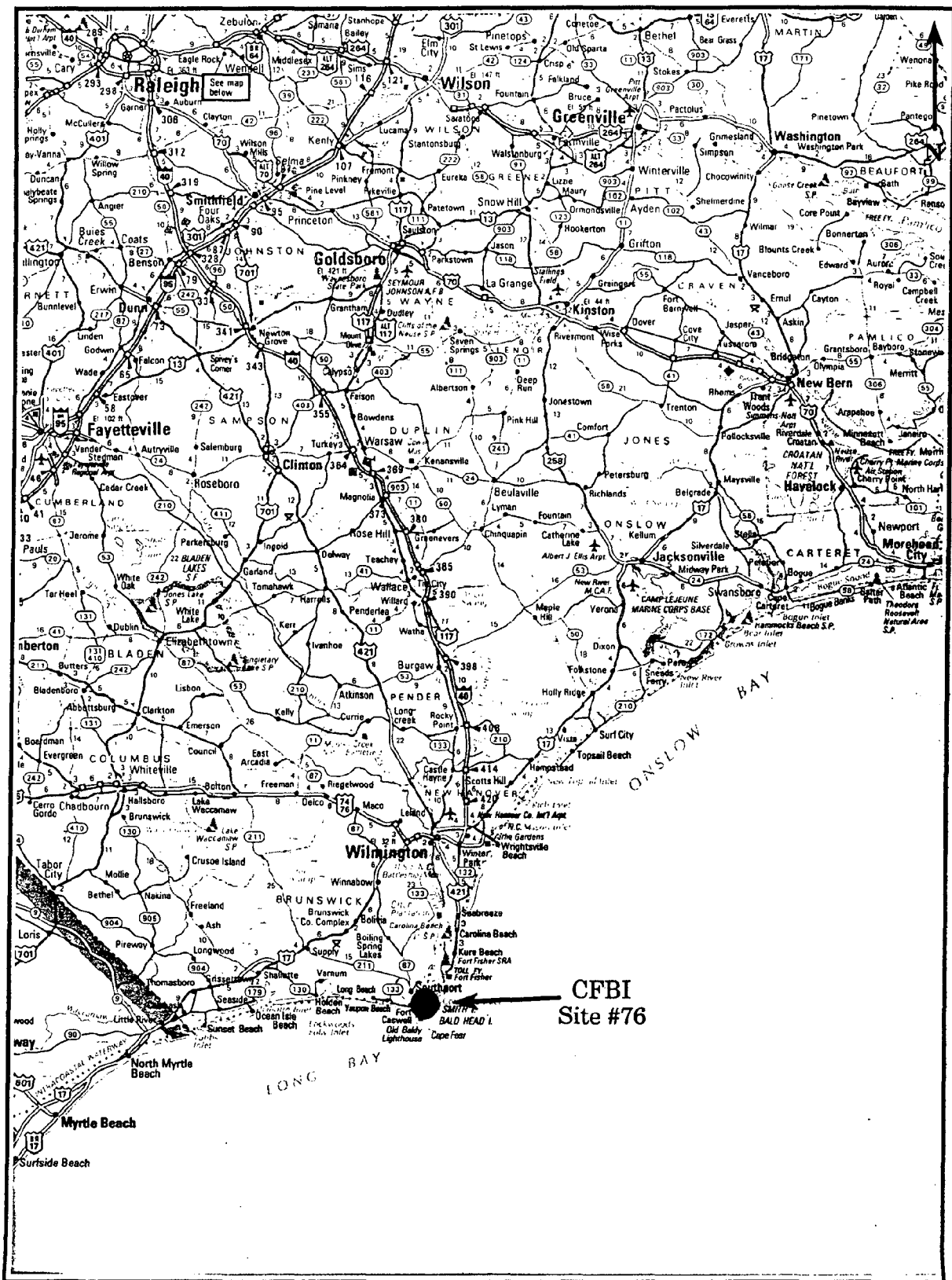
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

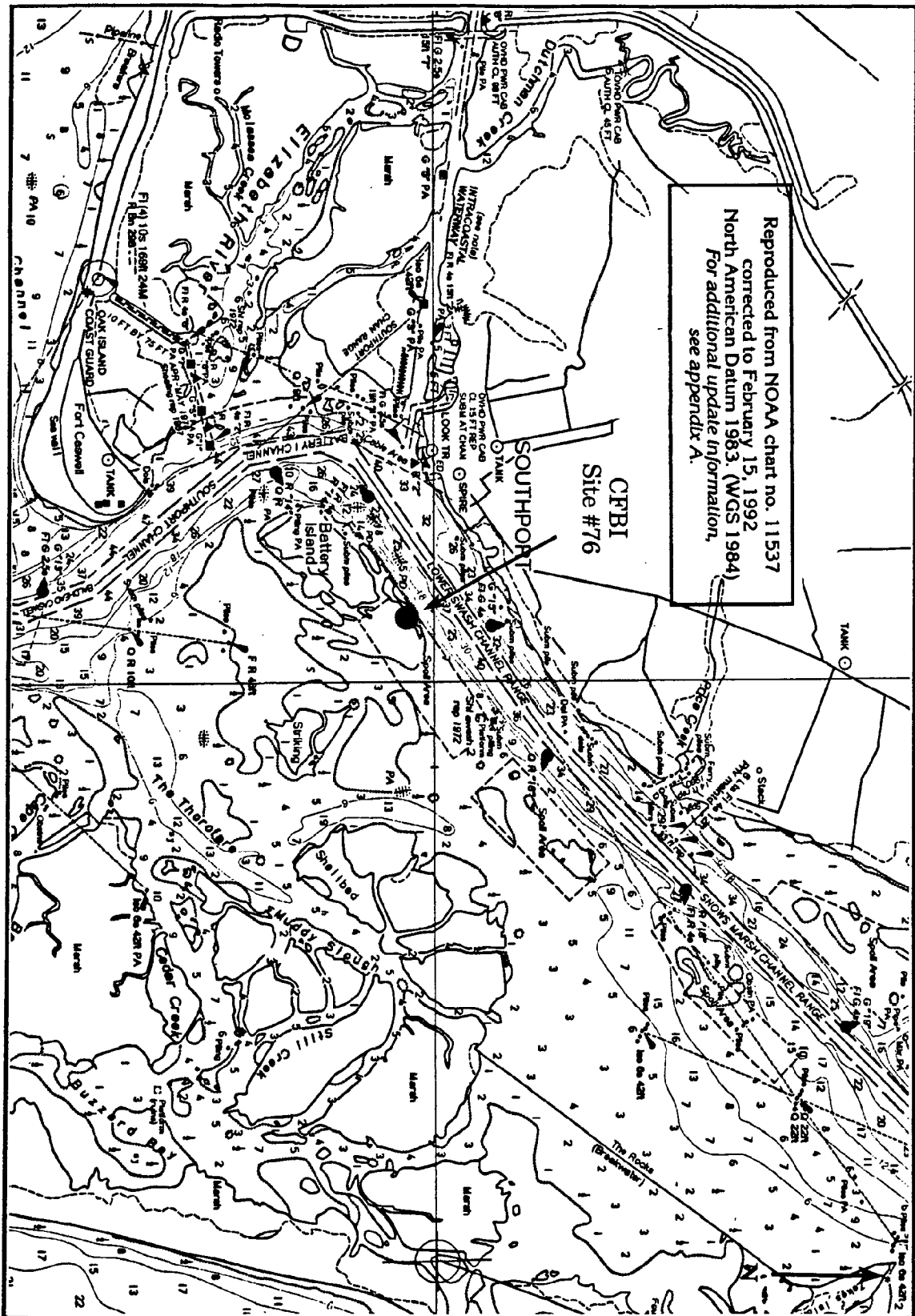
ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	10.0	8.5	1/24/95



Site #76 (CFBI), Cape Fear Battery Island

Reproduced from NOAA chart no. 11537
 corrected to February 15, 1992
 North American Datum 1983. (WGS 1984)
 For additional update information,
 see appendix A.



Site #76 (CFBI), Cape Fear Battery Island (from chart 11537).



Site #76 (CFBI), Cape Fear Battery Island



SOUTH CAROLINA SITES

GERG SITE NUMBER - 78

DESIGNATOR - SRNB

SITE - NORTH BAY, SANTEE RIVER, SC

NOMINAL SITE CENTER - 33°10.37'N 79°14.56'W

LOCATED ON NOS CHART # - 11532

SITE ACCESS - This site has to be accessed by boat and the samples collected using a dredge. Head south down Hwy. 17, south of Georgetown, and turn left onto South Island Road. Travel for about 5 miles to the end of the road where there is a Ferry, and the boat ramps are on your left. Follow the Intercoastal Waterway to the Esterville Minum Cut and on to the red channel "4". Bear left (south) through the channel and on for about 1.5 miles to the southeast to the site.

SITE DESCRIPTION - The site is located in the North Santee Bay, just off the mouth of Beach Creek. Station 1 lies to the southeast of the creek mouth, Station 2 to the south-southwest and Station 3 lies to the west of the creek mouth.

BIVALVE COLLECTIONS

1995 The medium sized oysters were abundant throughout the area. There was also a great deal a shell.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

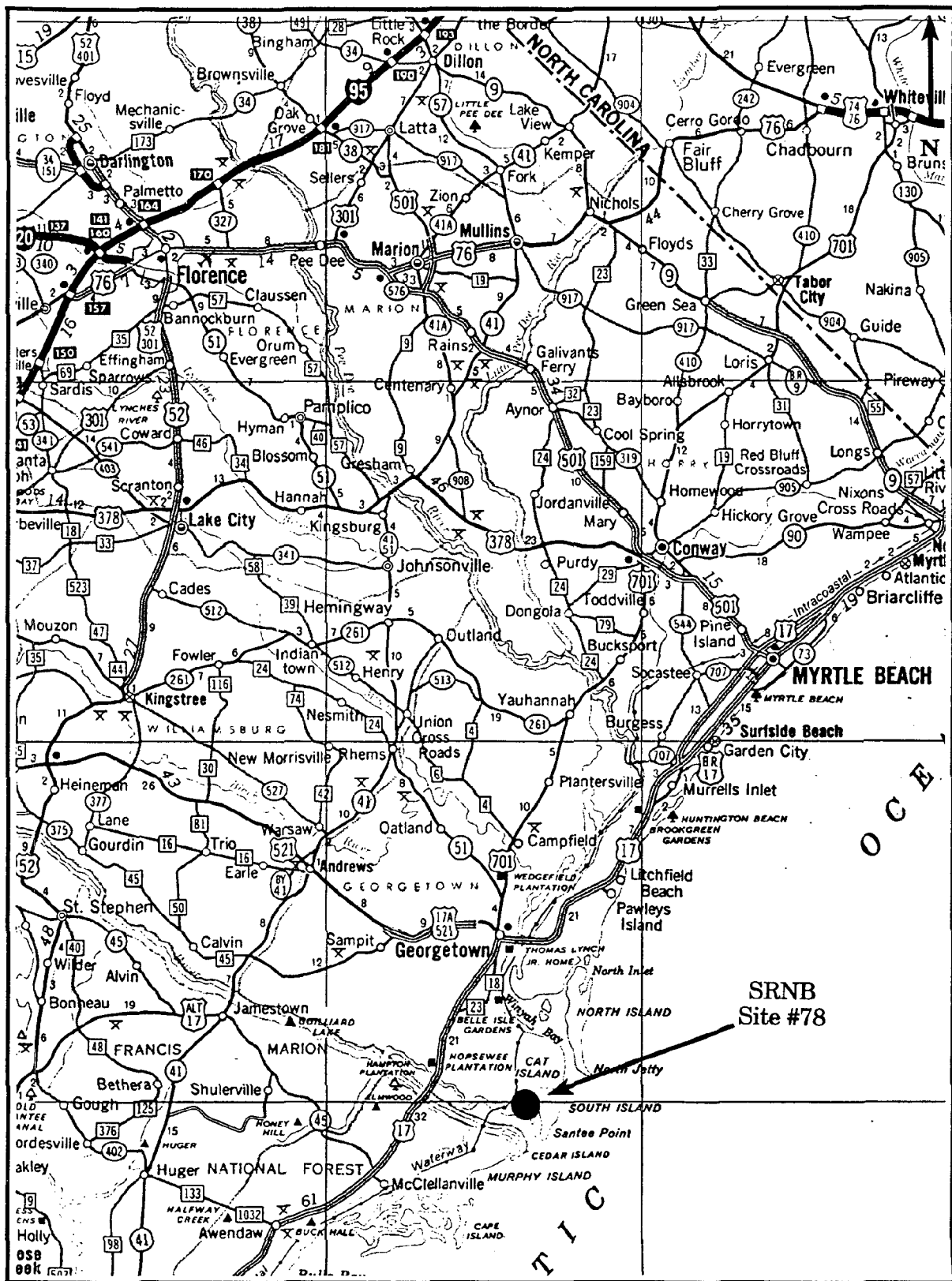
Oysters - SS dredge
Sediments - N/A

WATER DEPTH - subtidal, 2.0 m

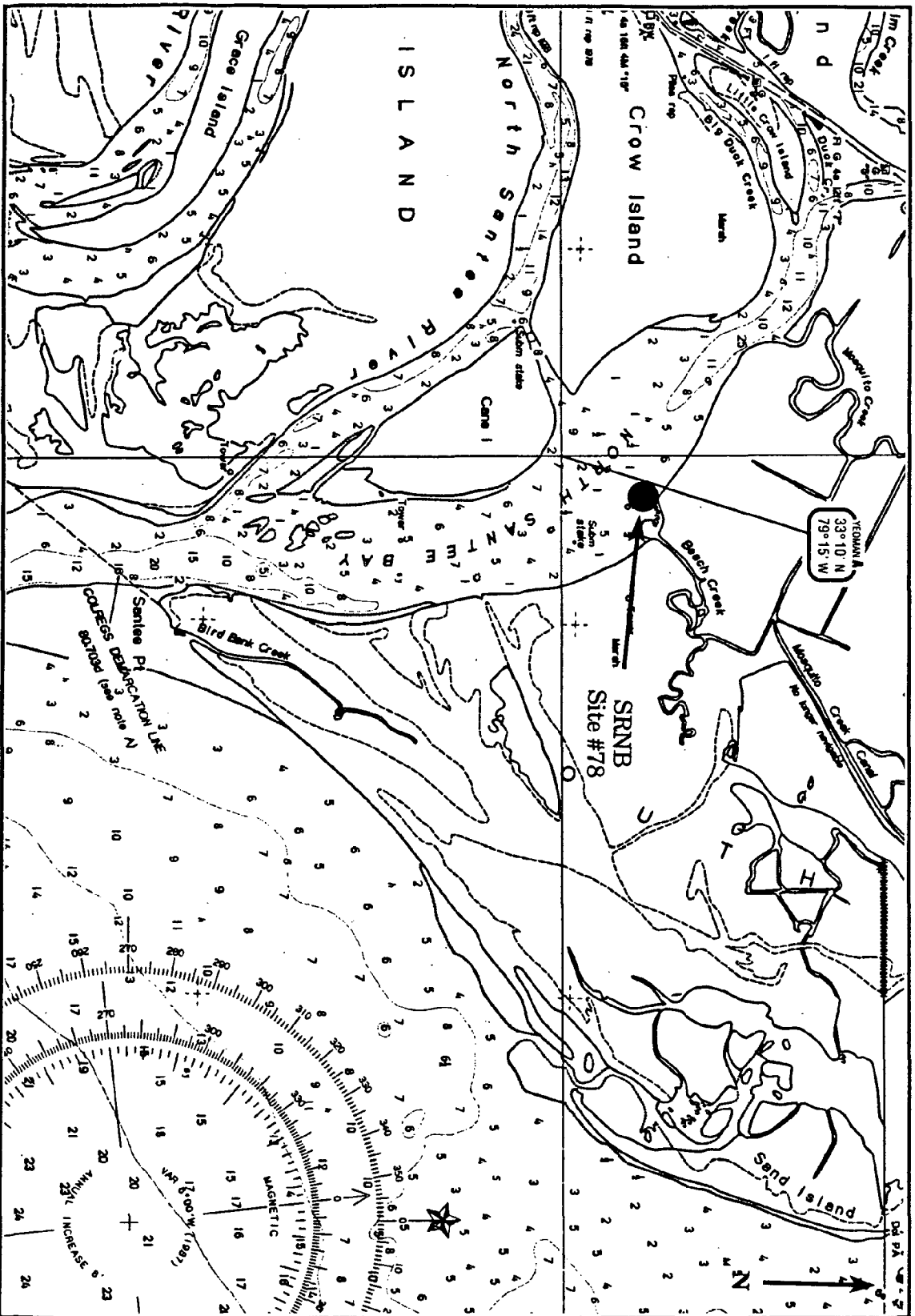
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

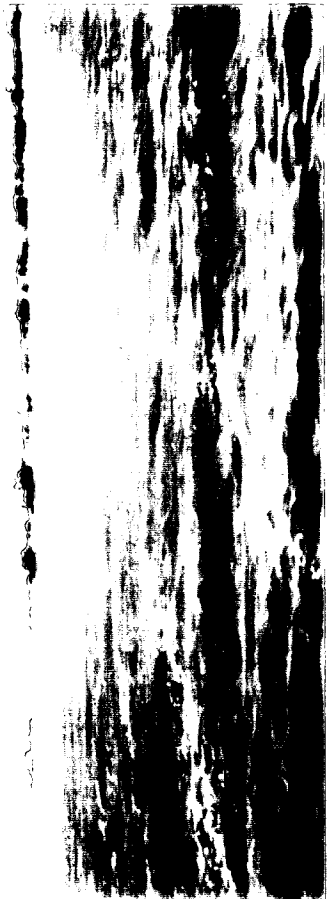
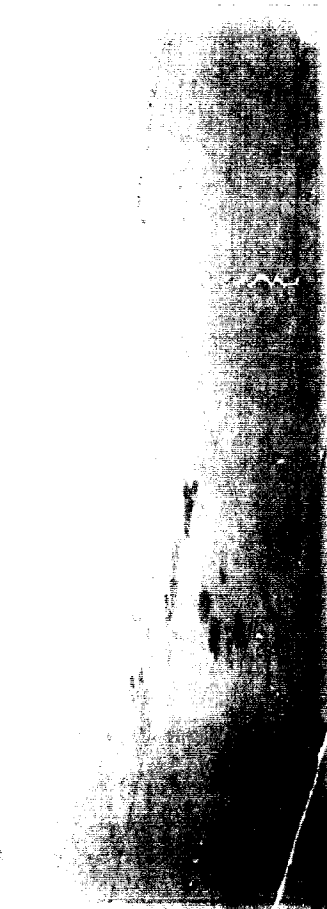
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	1.0	8.6	1/24/95



Site #78 (SRNB), Santee River North Bay.



Site #78 (SRNB), Santee River North Bay (from chart 11532).



Site #78 (SRNB), Santee River North Bay

GEORGIA SITES

GERG SITE NUMBER - 81

DESIGNATOR - SRTI

SITE - TYBEE ISLAND, SAVANNAH RIVER ESTUARY, GA

NOMINAL SITE CENTER - 32°00.99'N 80°57.95'W

LOCATED ON NOS CHART # - 11512

SITE ACCESS - This site is a walk-up and is best sampled by hand at low tide. From Savannah, follow Hwy. 80 towards Tybee Island for about 17 miles. After you cross the Lazaretto Creek bridge, take the first road to the left (opposite the Lazaretto Creek Marina sign). This road will dead end after about 0.25 miles into the Lazaretto Creek (Note : Road marked "Private no Trespassing"), park next to the old wooden buildings. From here, walk down the creek and along the shore about 0.25 miles towards the red channel marker "2".

SITE DESCRIPTION - The site is located on the northern side of Tybee Island, at the edge of the Tybee Road Channel. The area is surrounded by *Spartina alterniflora* marshland. The three stations were not differentiated due to the scarcity of the oysters along the shoreline.

BIVALVE COLLECTIONS

1995 The oyster population was very scarce, with only a few small oysters being found in clumps.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

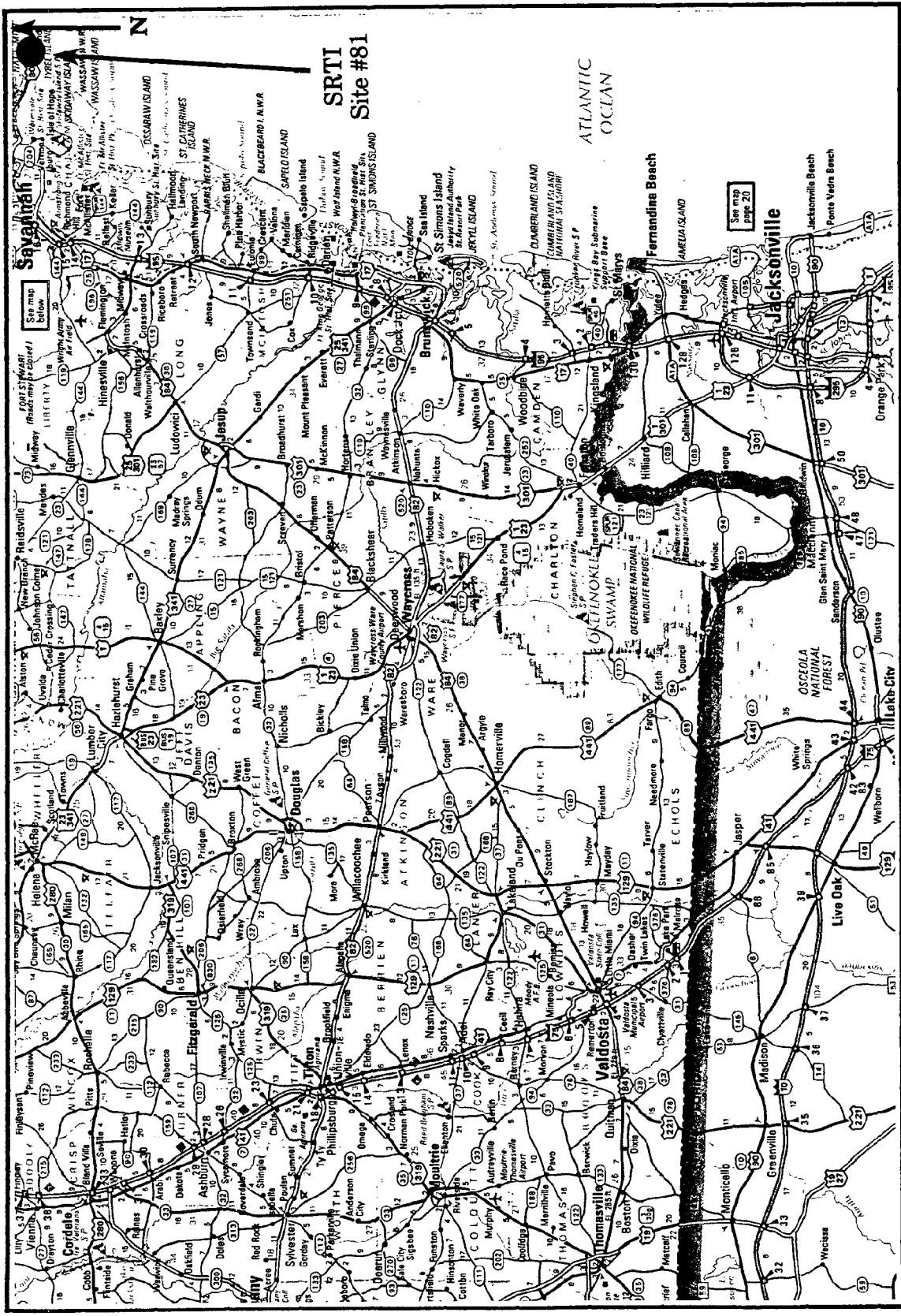
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.2 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

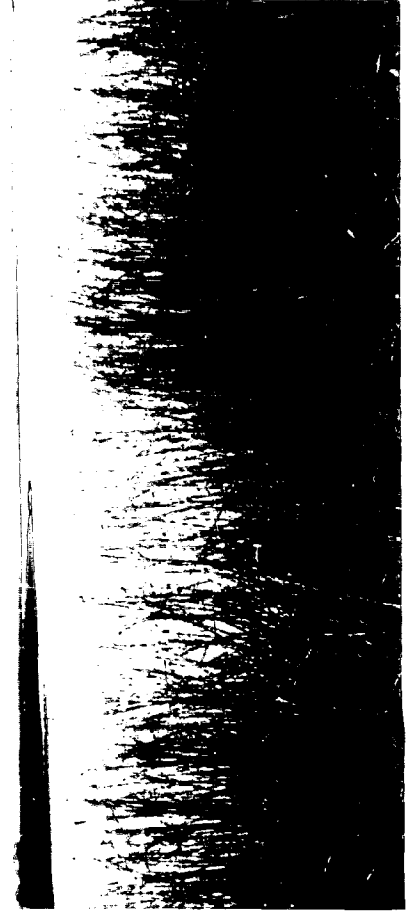
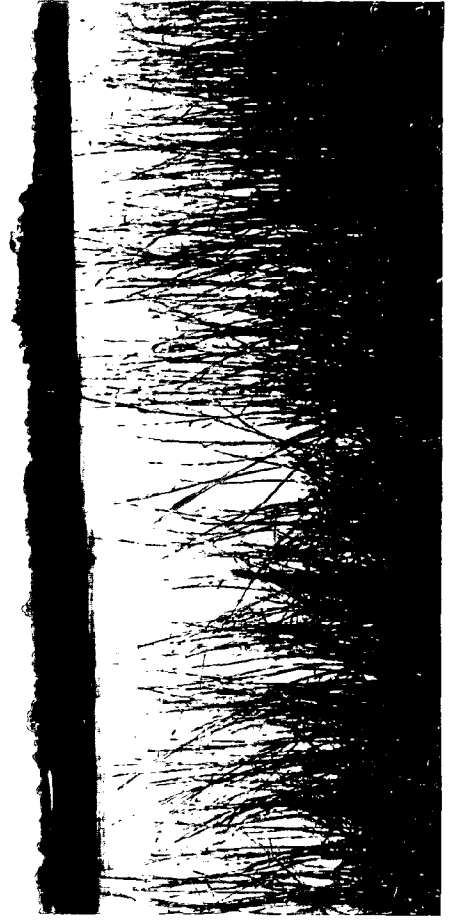
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	18.0	15.0	2/20/95



Site #81 (SRTI), Savannah River Tybee Island.



Site #81 (SRTI), Savannah River Tybee Island



GERG SITE NUMBER - 82

DESIGNATOR - SSSI

SITE - SAPELO ISLAND, SAPELO SOUND, GA

NOMINAL SITE CENTER - 31°23.57'N 81°17.28'W

LOCATED ON NOS CHART # - 11507

SITE ACCESS - This site can only be accessed by boat, and can only be successfully sampled by hand at low tide. Sampling at high tide with a dredge is not an option. Follow I-95 south from Savannah to Exit #10, and go east to Darien. In Darien, take Rd 99 north towards Ridgeville. In Ridgeville, take the first right (large blue house) and follow the road until it dead ends at the McIntosh Rod & Gun Club where there is a boat ramp and hoist. The ramp is useless at low tide, as it is high and dry. From the ramp proceed down the North River to the ICWW, at red channel marker "182". The Black River is directly across the ICWW from here, and this will lead you out into Doboy Sound. The old lighthouse is visible 1.4 miles away, at a bearing of 30°.

SITE DESCRIPTION - The site is located on the north side of Doboy Sound on Sapelo Island, nearby the old lighthouse. Station 1 is located on the shoreline to the east of the lighthouse, and just west of Deans Creek, Station 2 is 100 meters closer to the lighthouse and Station 3 is opposite the lighthouse.

BIVALVE COLLECTIONS

1995 Oysters were extremely abundant throughout the area, along with huge piles of dead shell. They were generally small to medium in size.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

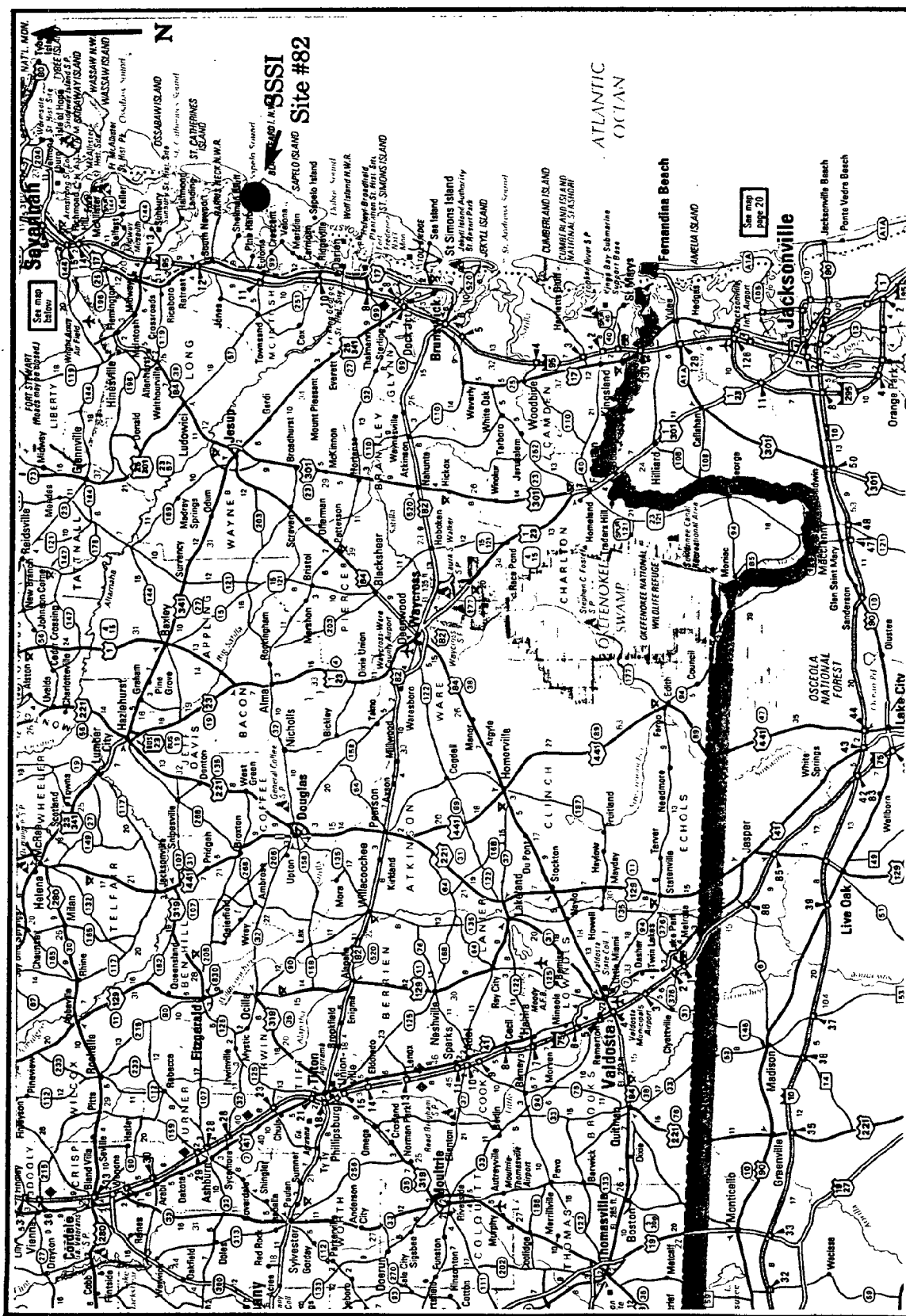
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.2 m

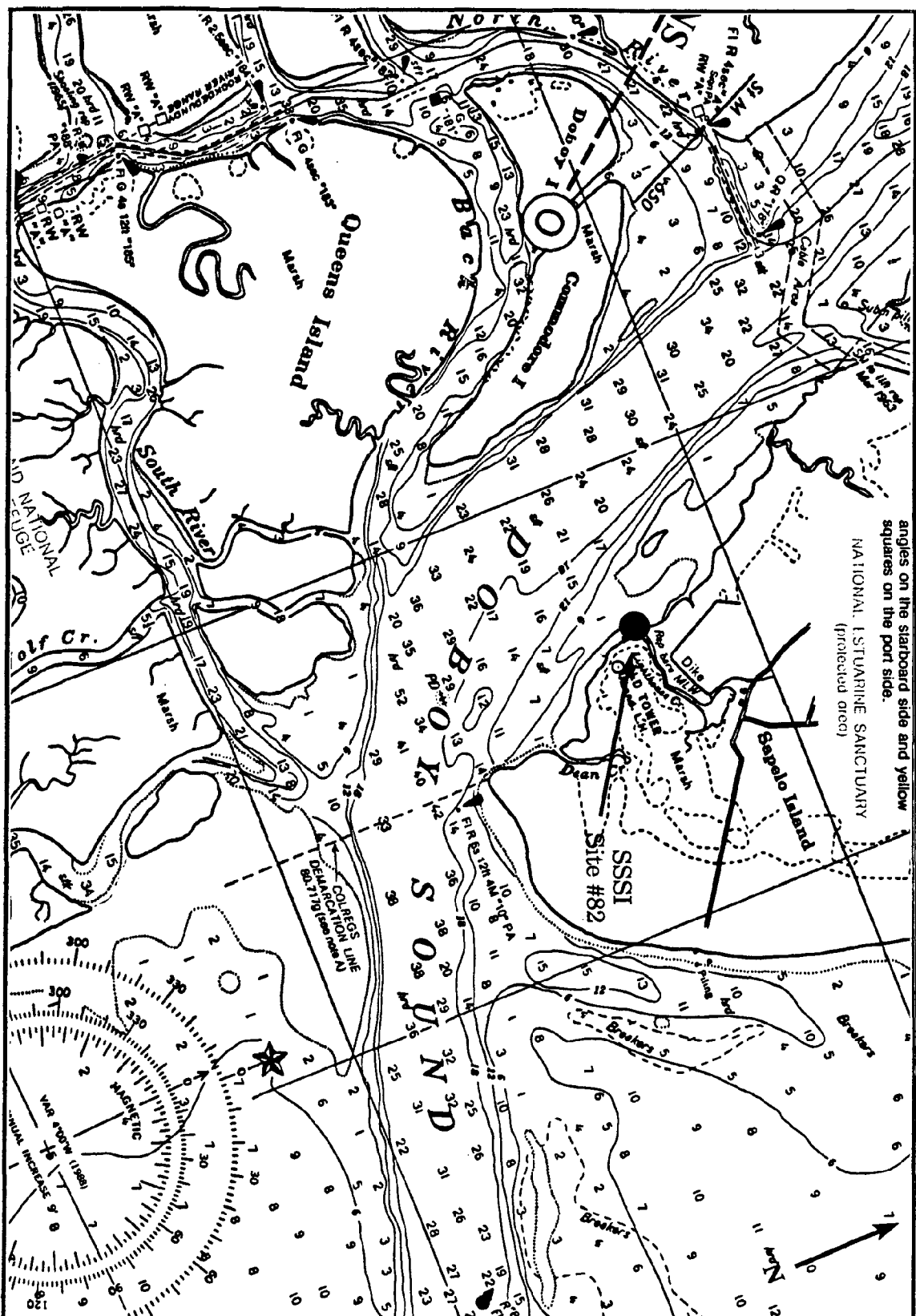
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	27.0	13.0	2/21/95



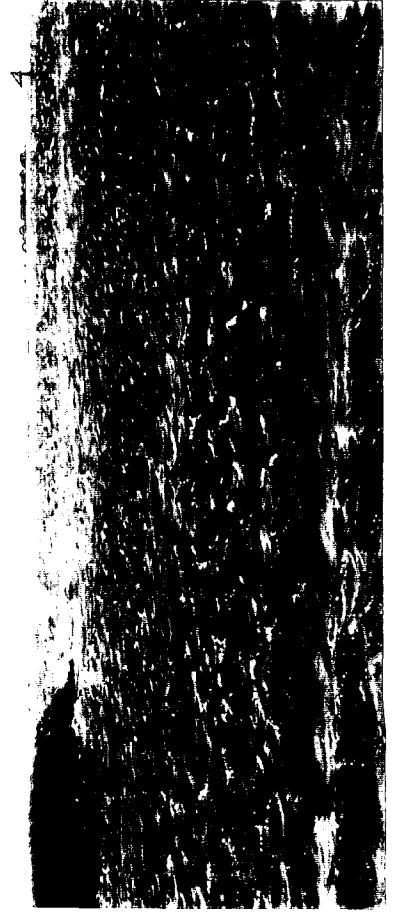
Site #82 (SSSI), Sapelo Sound Sapelo Island.



Site #82 (SSSI), Sapelo Sound Sapelo Island (from chart 11510).



Site #82 (SSSI), Sapelo Sound Sapelo Island



GERG SITE NUMBER - 83

DESIGNATOR - ARWI

SITE - WOLFE ISLAND, ALTAMAHA RIVER, GA

NOMINAL SITE CENTER - 31°19.45'N 81°18.65'W

LOCATED ON NOS CHART # - 11507

SITE ACCESS - This site can only be accessed by boat, and can only be successfully sampled by hand at low tide. Sampling at high tide with a dredge is not an option. Follow I-95 south from Savannah to Exit #10, and go east to Darien. In Darien, take Rd 99 north towards Ridgeville. In Ridgeville, take the first right (large blue house) and follow the road until it dead ends at the McIntosh Rod & Gun Club where there is a boat ramp and hoist. The ramp is useless at low tide, as it is high and dry. From the ramp proceed down the North River to the ICWW, at red channel marker "182". Follow the ICWW to the north until you come to red channel marker "198". The site lies 0.5 miles at a bearing of 35° from the marker.

SITE DESCRIPTION - The site is located in the Altamaha River - Sound on the southern side of Wolfe Island. There are no really good landmarks in the area other than the navigation marker. There is a six foot high wall of dead oyster shell along the bank next to the site. The stations were not differentiated due to the scarcity of oysters in the entire area.

BIVALVE COLLECTIONS

1995 There were only a very few small oysters to be found in the entire area. Few spat were observed, with lots of dead shell.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

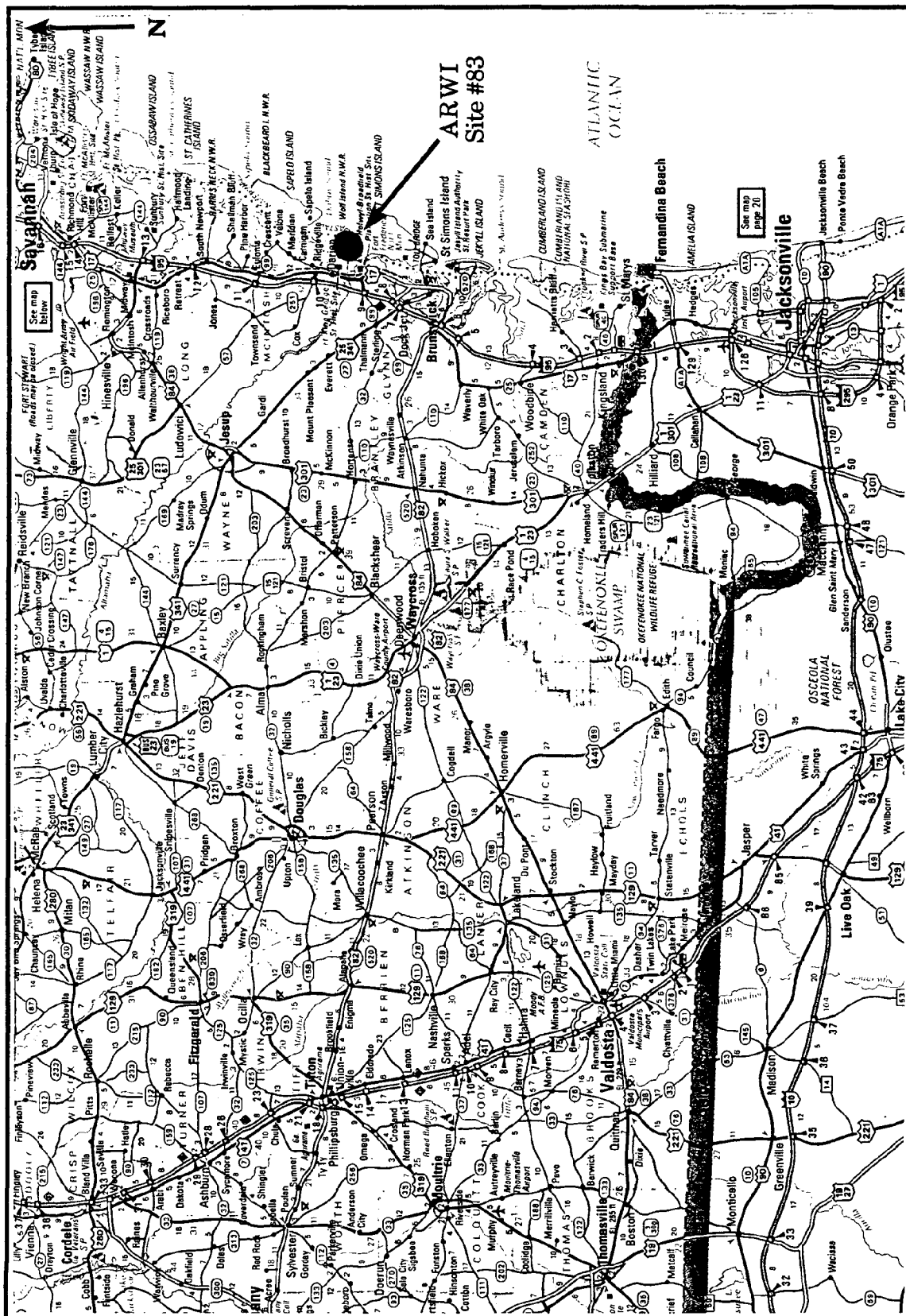
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.2 m

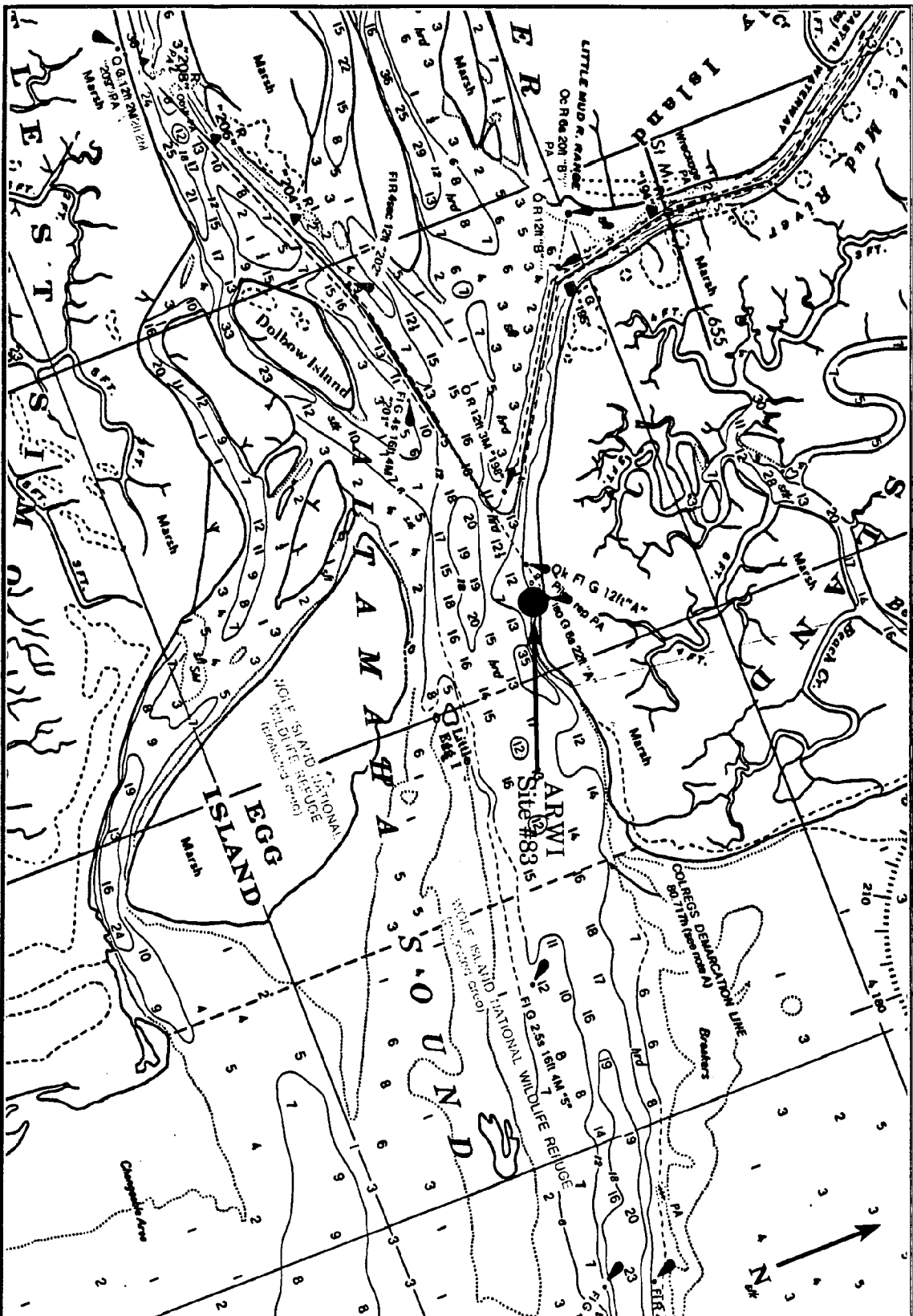
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	1.0	13.0	2/21/95



Site #83 (ARWI), Altamaha River Wolfe Island.



Site #83 (ARWI), Alabama River Wolf Island (from chart 11508).



Site #83 (ARWI), Altahama River Wolf Island



FLORIDA SITES

GERG SITE NUMBER - 84

DESIGNATOR - SJCB

SITE - CHICOPIT BAY, ST. JOHNS RIVER, FL

NOMINAL SITE CENTER - 30°22.86'N 81°26.40'W

LOCATED ON NOS CHART # - 11489

SITE ACCESS - This site is a walk-up site that is best sampled at low tide. From I-95 in Jacksonville, go east on Hwy. 202 (J. Turner Butler Blvd.) and then north on Hwy. A1A to the Mayport Ferry at the Little Jetties Park. Note : A1A goes north for about 5 miles, then turns west onto Atlantic Blvd. for about a mile and then north again at Mayport. A1A divides at a "Y", keep left on Mayport Road. The Little Jetties Park separates the St. Johns River from Chicopit Bay.

SITE DESCRIPTION - The site is located on the south side of the St. Johns River, on a small promontory leading out to the park. Station 1 lies south of the public jetty next to Ferry Road, Station 2 is 50 meters due west and Station 3 is another 75 meters west of Station 2.

BIVALVE COLLECTIONS

1995 Medium sized oysters were abundant throughout the area, and easily collected by hand at low tide.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

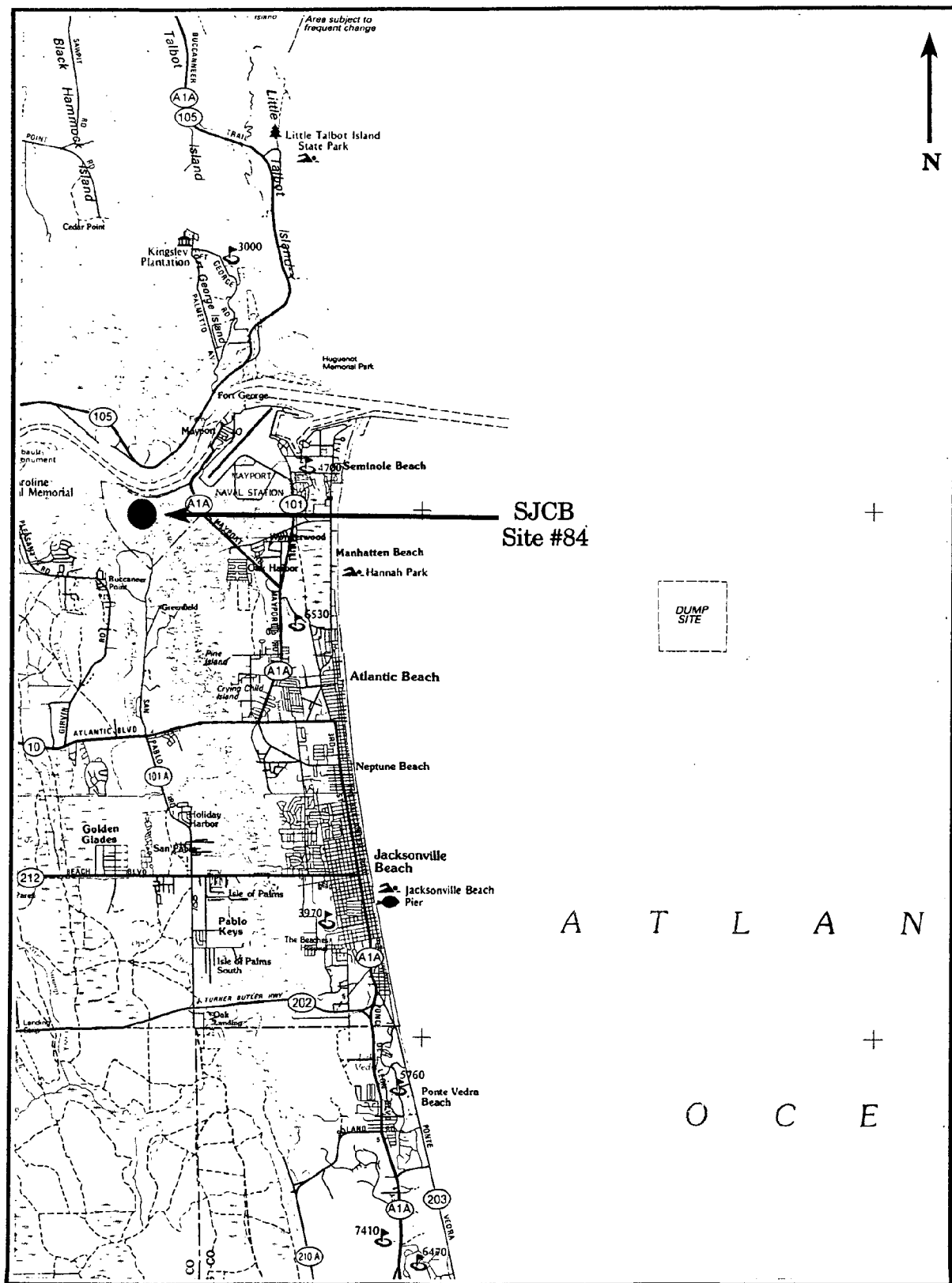
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.5 m

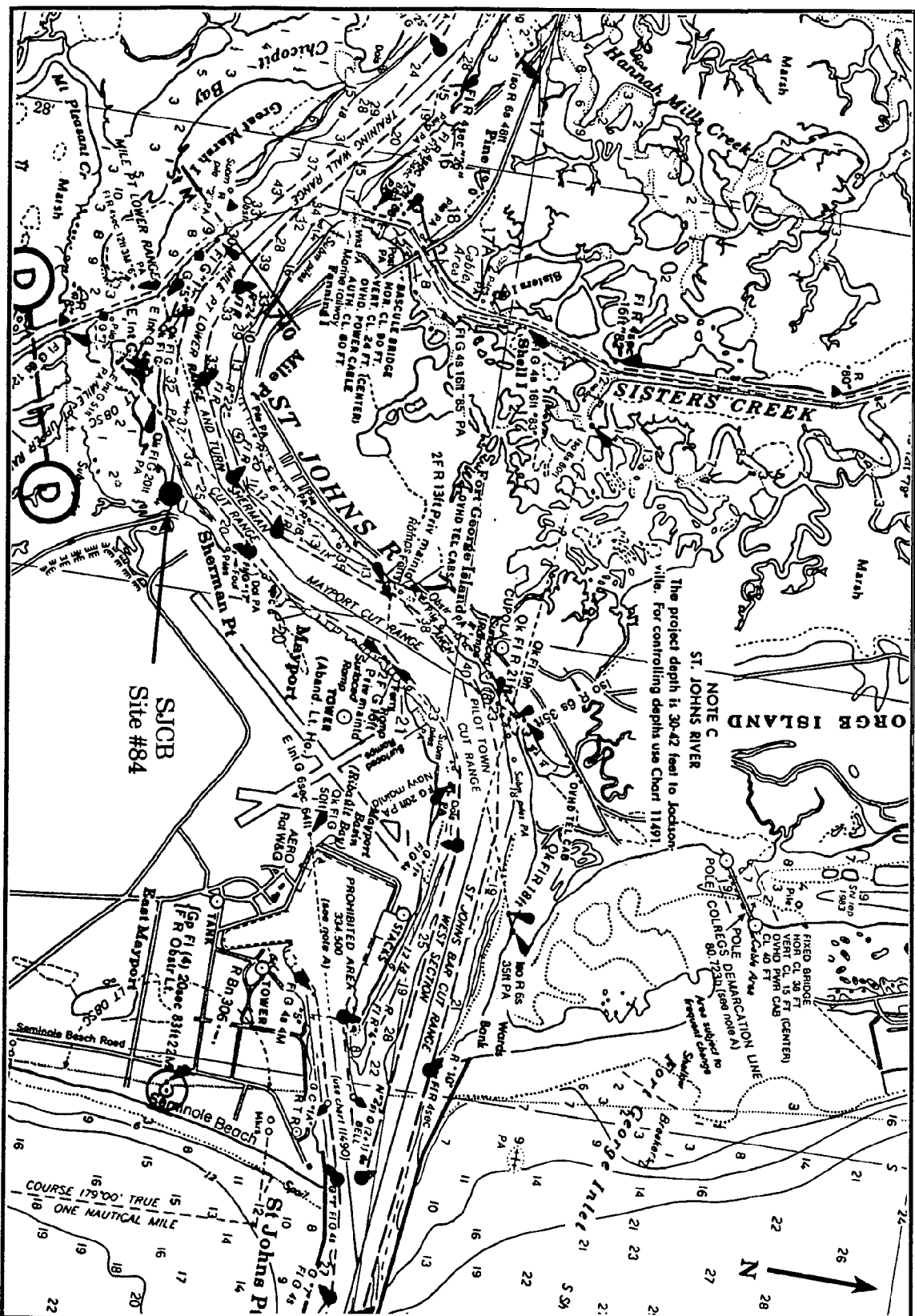
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	30.0	14.0	2/18/95



Site #84 (SJCB), St. Johns River Chicopit Bay.



Site #84 (SJCB), St. Johns River Chicopit Bay (from chart 11491).



Site #84 (SJCB), St. Johns River Chicopit Bay



GERG SITE NUMBER - 85

DESIGNATOR - MRCB

SITE - CRESCENT BEACH, MATANZAS RIVER, FL

NOMINAL SITE CENTER - 29°45.84'N 81°15.71'W

LOCATED ON NOS CHART # - 11485

SITE ACCESS - This site is best sampled by hand at low tide. From I-95 or Hwy. 1 south of Augustine, take Rt. 206 east towards the Matanzas River/ICWW bridge. Just before you cross the bridge, turn right and drive to the end of the dirt road.

SITE DESCRIPTION - The site is located south of the Matanzas River bridge, on the western shoreline. Station 1 is to the south of the promontory, Station 2 lies at the eastern tip and Station 3 lies on the northwest side of the spit. Station 3 lies due south of the 7th set of bridge pilings.

BIVALVE COLLECTIONS

1995 The small oysters were very scarce across the entire site.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

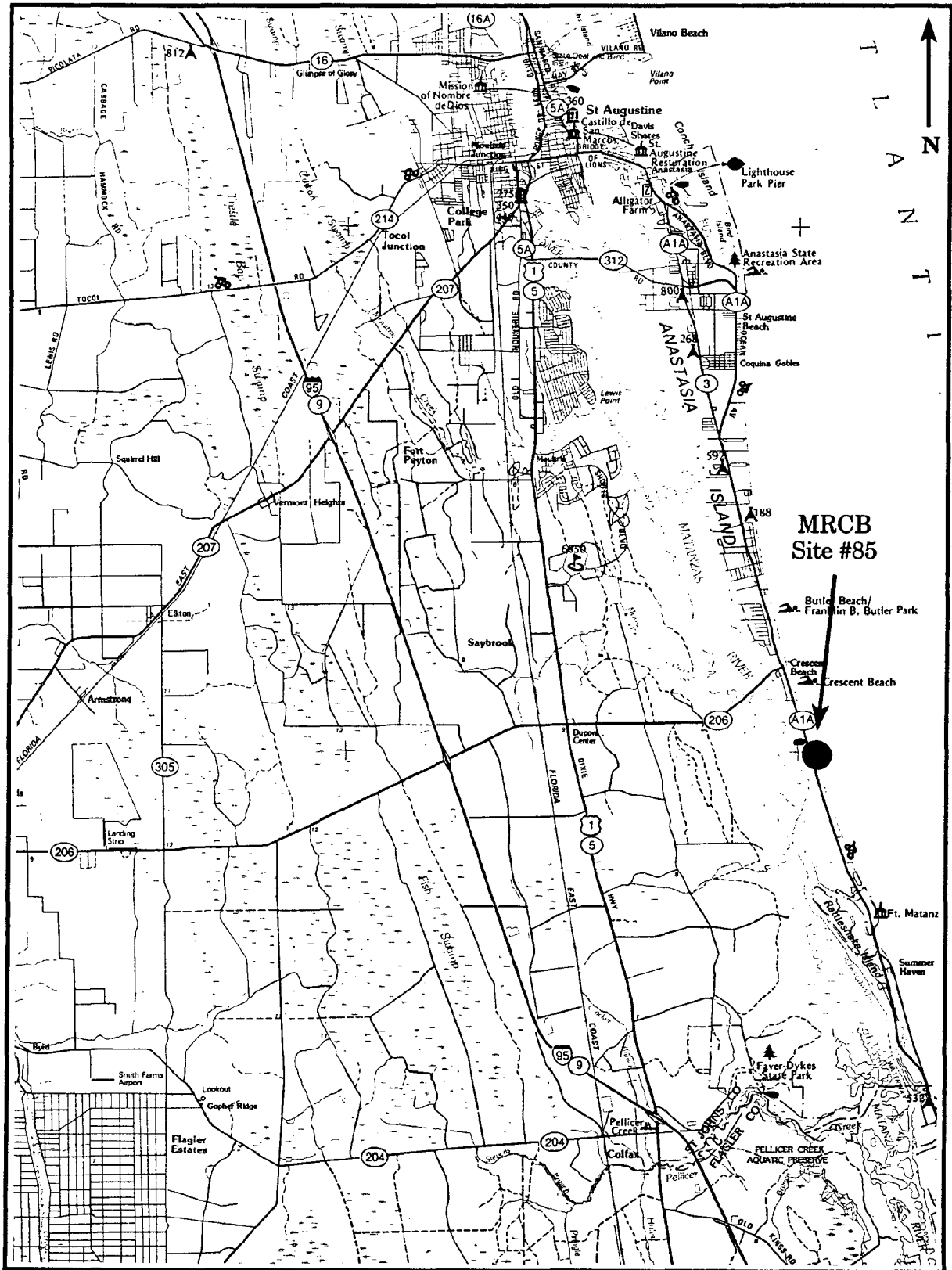
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.2 m

POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

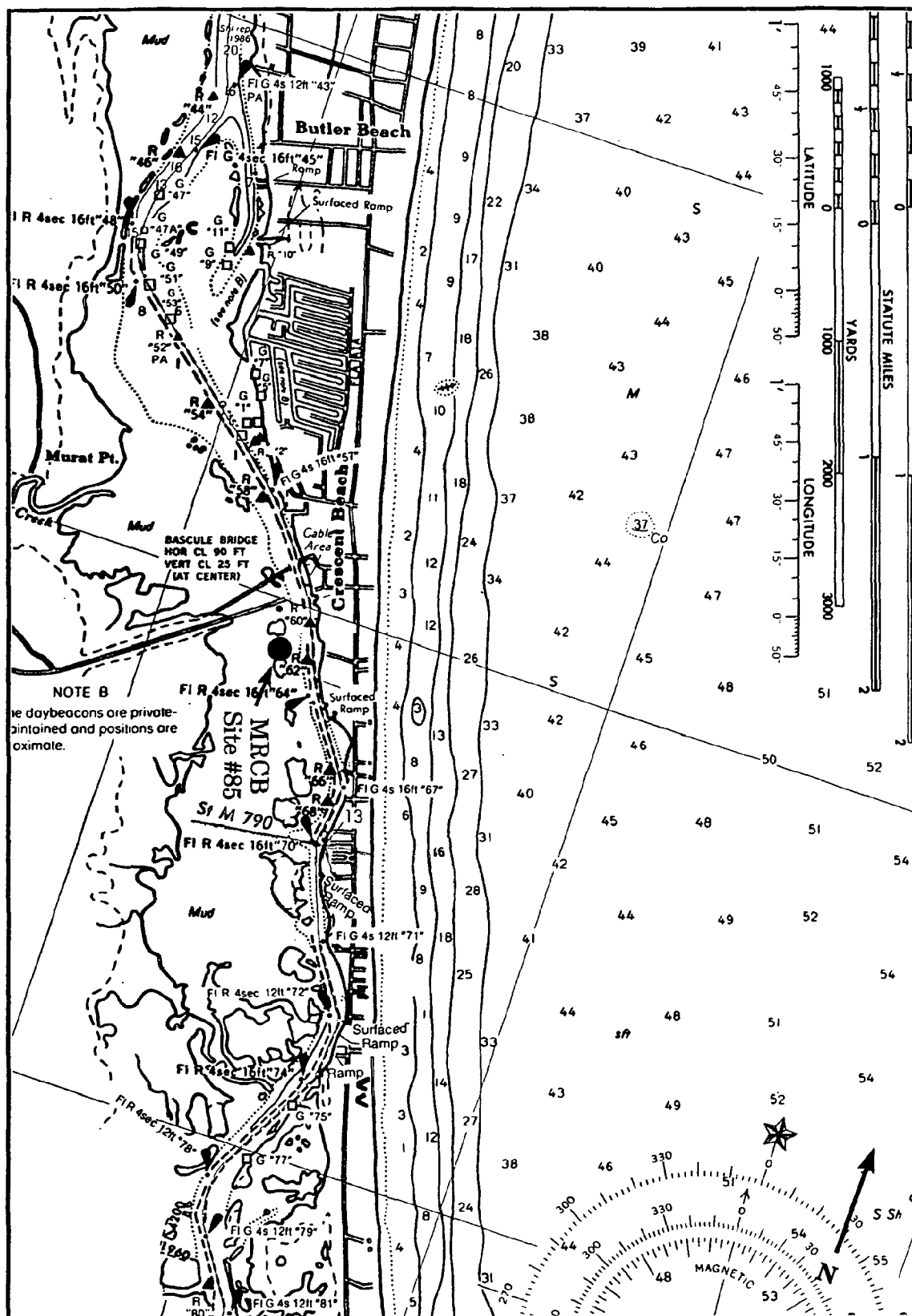
ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	35.0	19.0	2/18/95



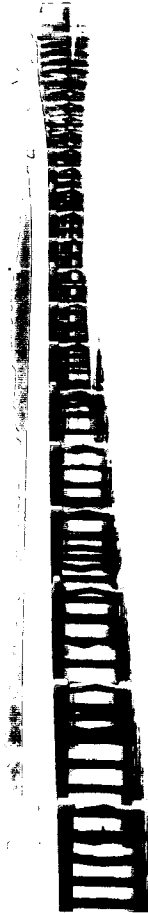
Site #85 (MRCB), Matanzas River Crescent Beach.

Site #85 (MRCB), Matanzas River Crescent Beach (from chart 11485).





Site #85 (MRCB), Matanzas River Crescent Beach



GERG SITE NUMBER - 86

DESIGNATOR - IRSR

SITE - INDIAN RIVER, SEBASTIAN RIVER, FL

NOMINAL SITE CENTER - 27849.77'N 80°28.46'W

LOCATED ON NOS CHART # - 11472

SITE ACCESS - This site is a walk-up and best sampled by hand at low tide. Follow Hwy. 1 south from Melbourne and take the Indian River Drive over the Sebastian River. The site is 1.5 miles south of the bridge, on the left hand side of the road at the Floodtide Marina.

SITE DESCRIPTION - This site was moved 0.25 miles further south after some consultation with the project COTR. The site is now next to an old crab and fish processing plant which has a small wooden jetty. All three stations were collected within 7 meters of the jetty, as the land is all privately owned.

BIVALVE COLLECTIONS

1995 Large and medium sized oysters were abundant throughout the area.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

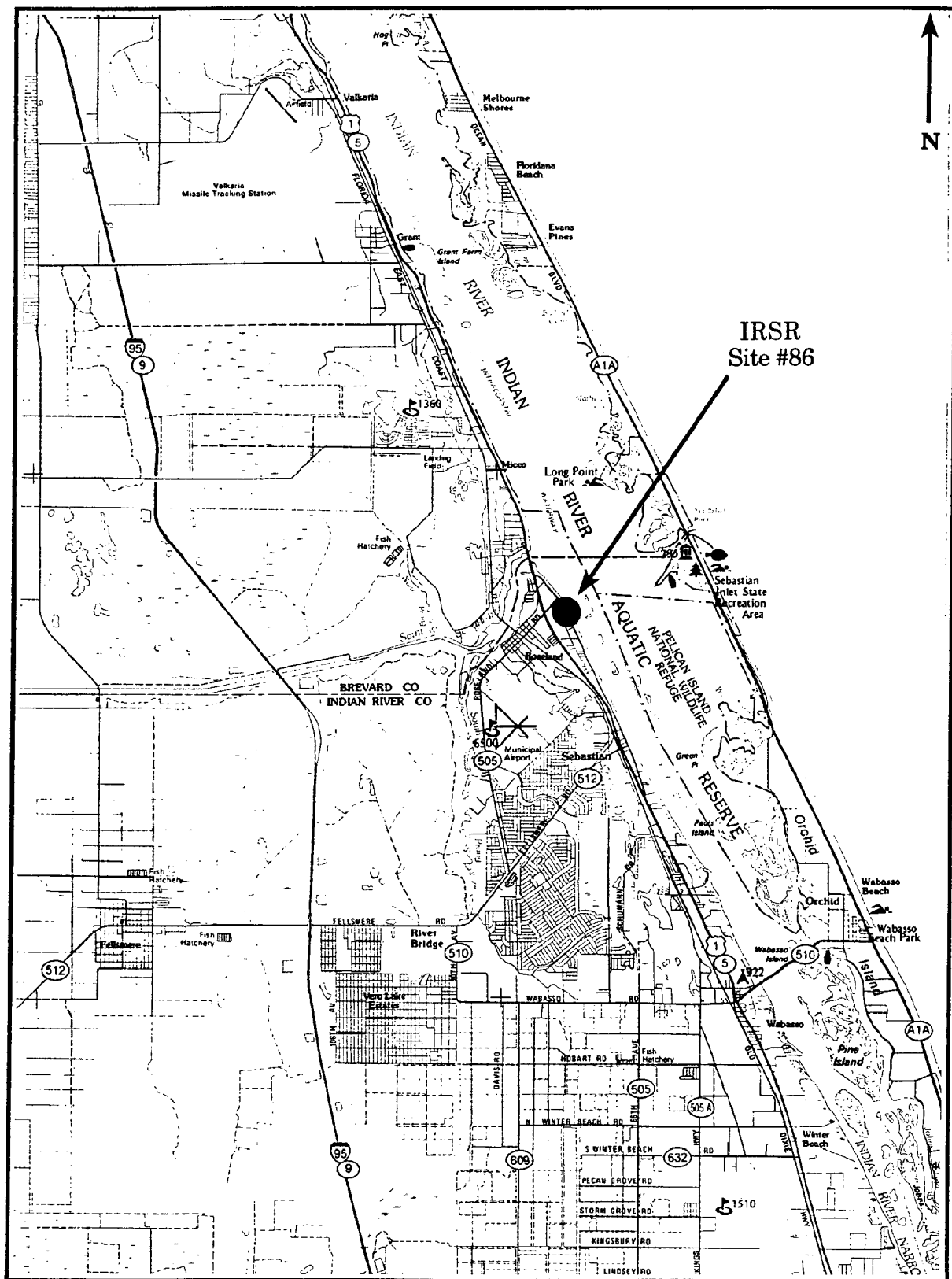
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.2 m

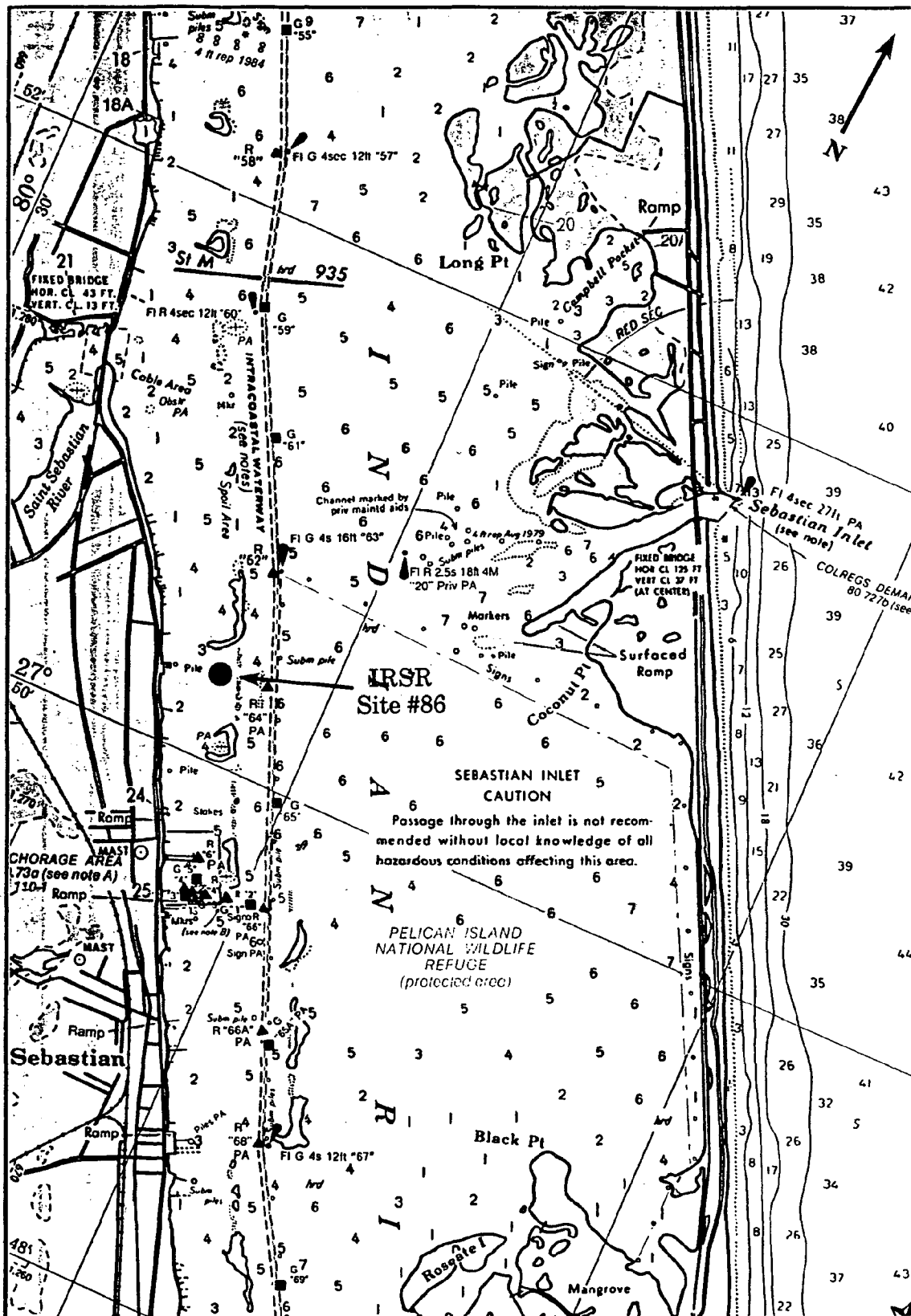
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

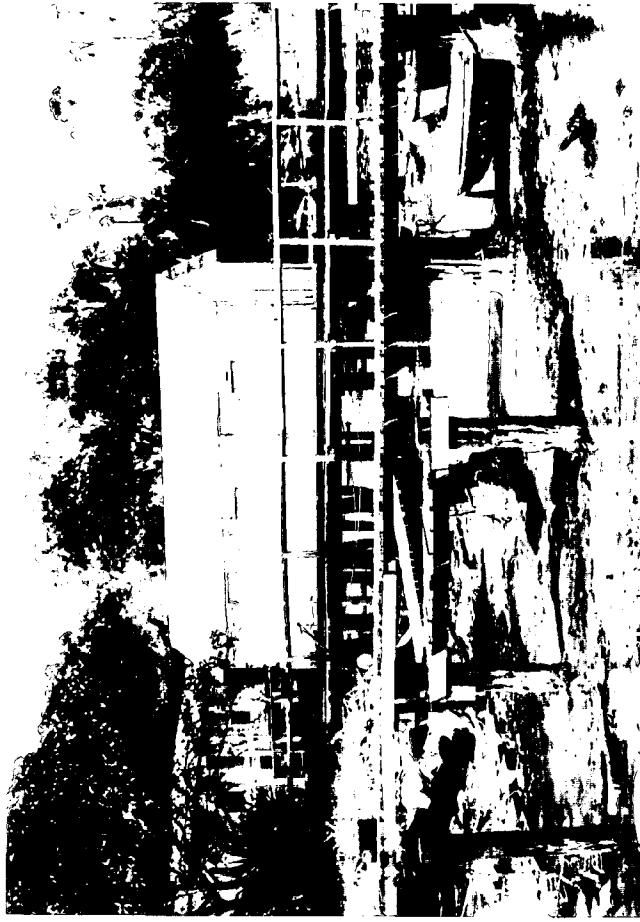
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	14.0	27.0	2/17/95



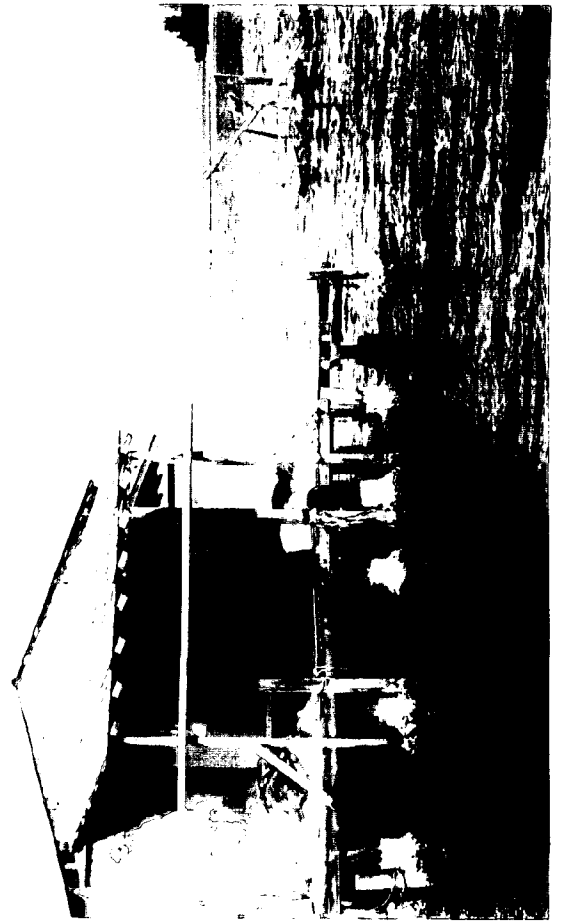
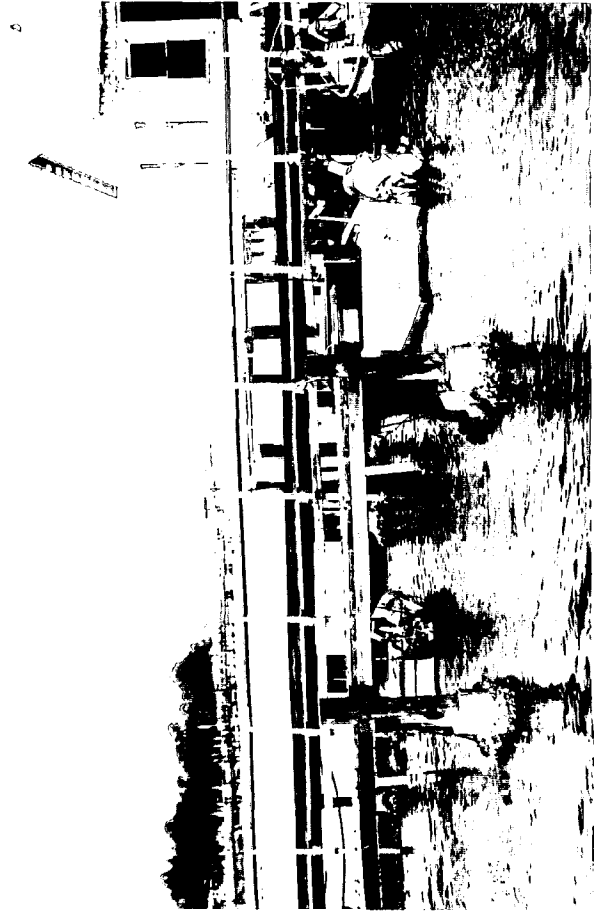
Site #86 (IRSR), Indian River Sebastian River.



Site #86 (IRSR), Indian River Sebastian River (from chart 11472).



Site #86 (IRSR), Indian River Sebastian River



GERG SITE NUMBER - 87

DESIGNATOR - NMML

SITE - MAULE LAKE, NORTH MIAMI, FL

NOMINAL SITE CENTER - 25°56.26'N 80°08.98'W

LOCATED ON NOS CHART # - 11467

SITE ACCESS - This walk-up site is best sampled by hand at low tide. The site is just off Hwy. 1, between 172nd & 178th Streets at the concrete bridge (marked #1834). Maule Lake Marina is 0.25 miles to the south, and Total Marine is about 50 meters to the north, where there is adequate parking.

SITE DESCRIPTION - The site is in the canal next to the bridge, on the east side. There are three white and one gray (larger) pipelines that cross the canal next to the bridge. The stations were not differentiated due to the small size of the collection area.

BIVALVE COLLECTIONS

1995 Oysters of all sizes were abundant throughout the site.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

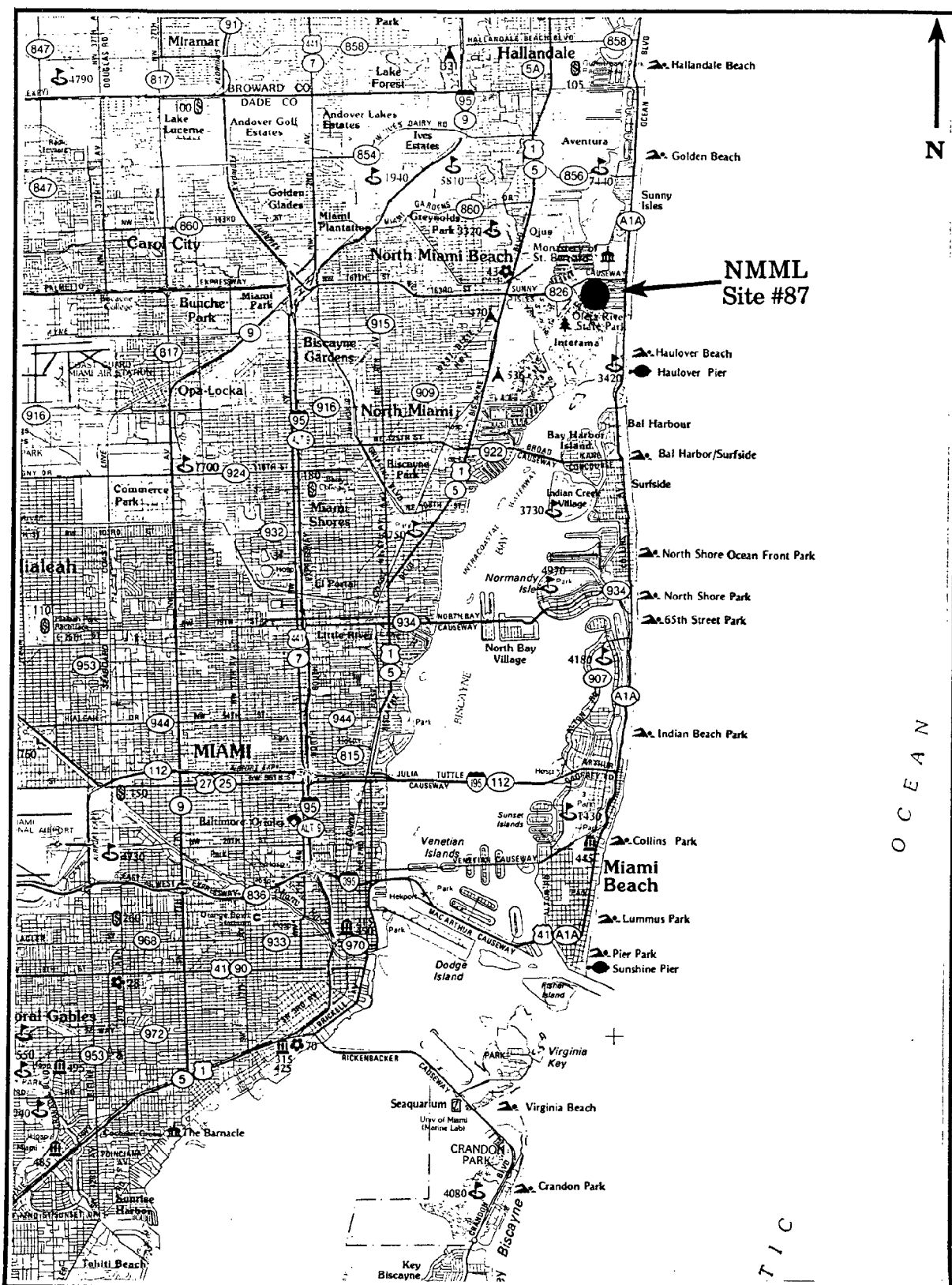
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.1 m

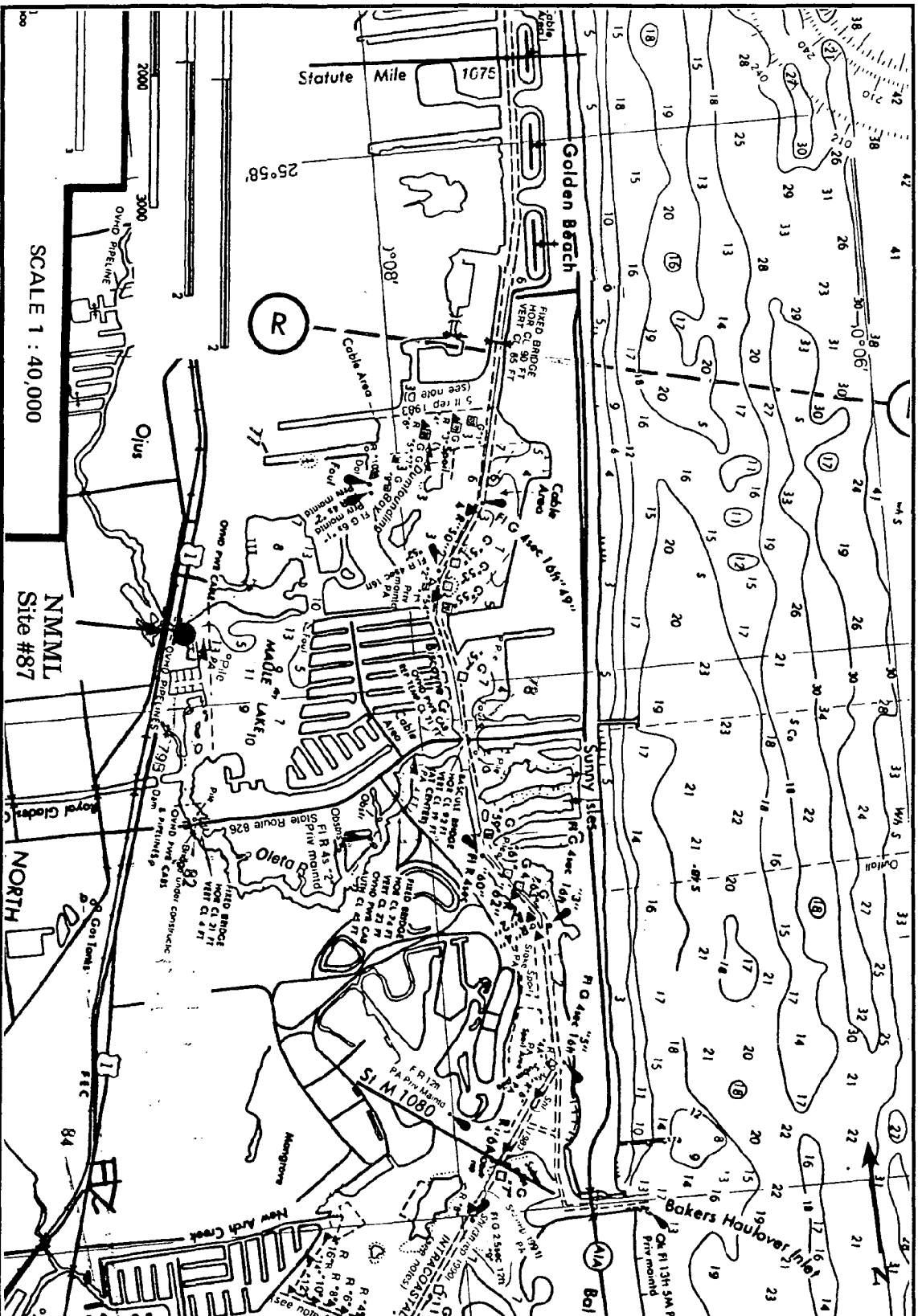
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	8.0	26.0	2/17/95



Site #87 (NMML), North Miami Maule Lake.



Site #87 (NMMML), North Miami Maule Lake (from chart 11467).



Site #87 (NMML), North Miami Maule Lake



GERG SITE NUMBER - 88

DESIGNATOR - BBGC

SITE - GOULD'S CANAL, BISCAYNE BAY, FL

NOMINAL SITE CENTER - 25°32.00'N 80°19.39'W

LOCATED ON NOS CHART # - 11462

SITE ACCESS - This site has to be accessed boat, but can be easily sampled by hand at low tide. The site is located in the Biscayne National Park, and an additional permit is required from the National Parks Service to legally work within the park boundaries. From Miami, go south on Hwy. 1 towards Homestead and turn left onto Coconut Palm Drive (Rt. 248), next to the Amoco Station in Goulds. Cross over Allapattah Road and the highway will divide, keep to the left and the road will end at the marina. From the boat ramp, follow the channel about 0.25 miles down to the Biscayne Bay breakwaters.

SITE DESCRIPTION - The site is located on the southern breakwater. Station 1 is about 200 meters before the green channel marker "27", with an adjacent large I-beam protruding from the water. Station 2 is located some 75 meters before the marker on a large piece of coral, and Station 3 is at the channel marker.

BIVALVE COLLECTIONS

1995 The oysters were all very small and very scarce.

SEDIMENT COLLECTIONS

1995 No sediments were scheduled for collection this year.

SAMPLING METHODS

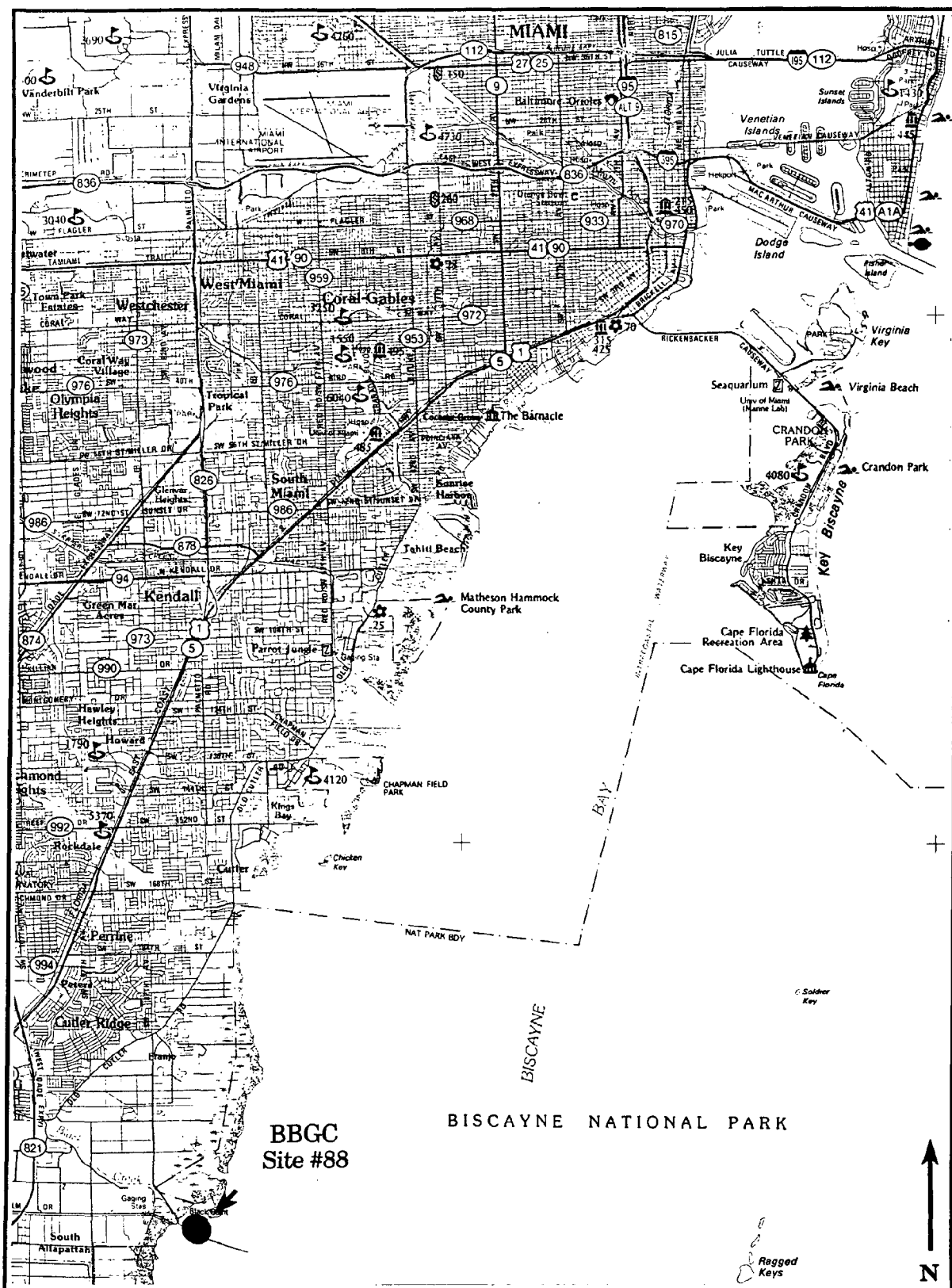
Oysters - hand
Sediments - N/A

WATER DEPTH - intertidal, 0.2 m

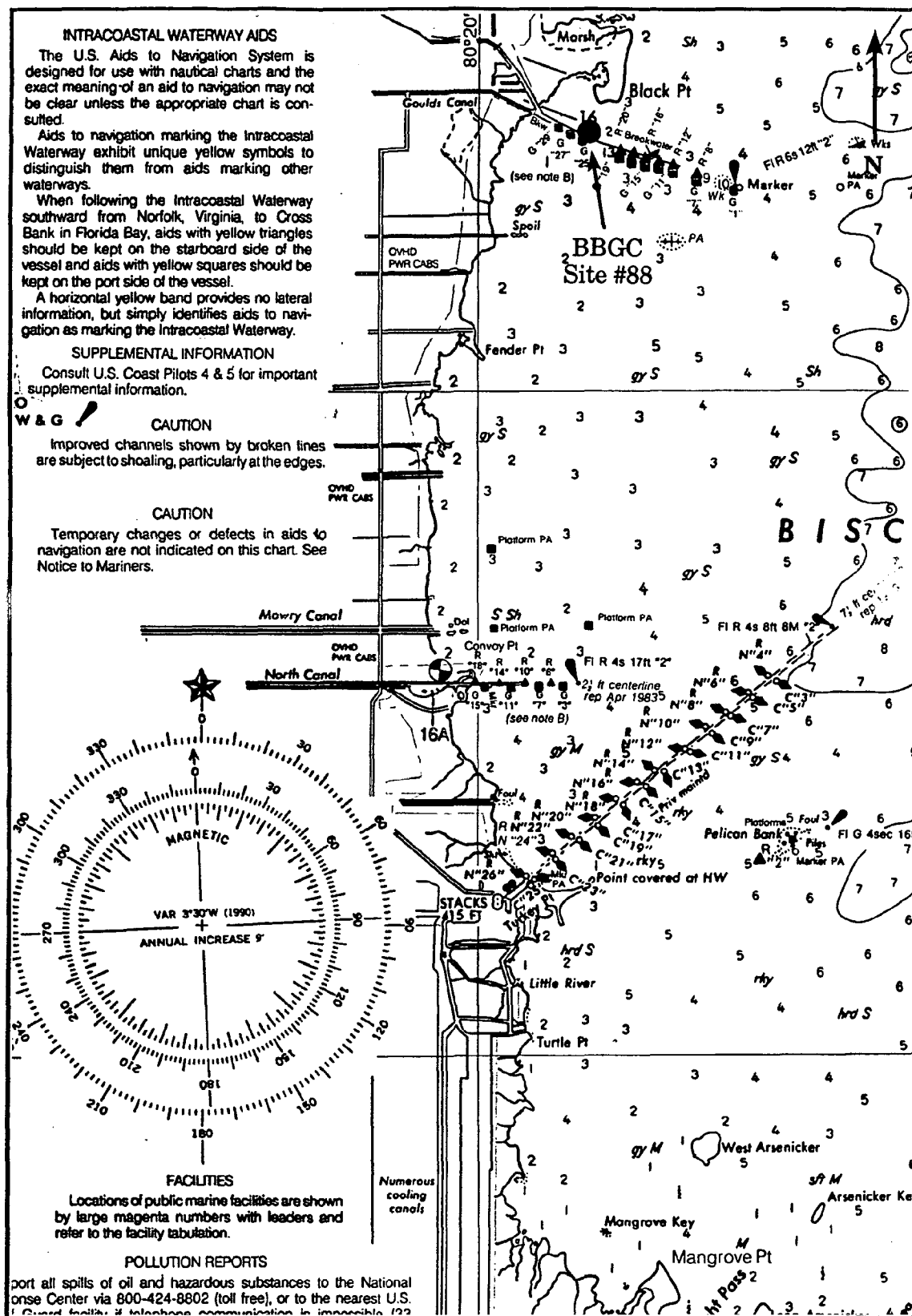
POSSIBLE CONTAMINANTS - No obvious visible point sources of contamination were identified in the surrounding area.

ENVIRONMENTAL DATA

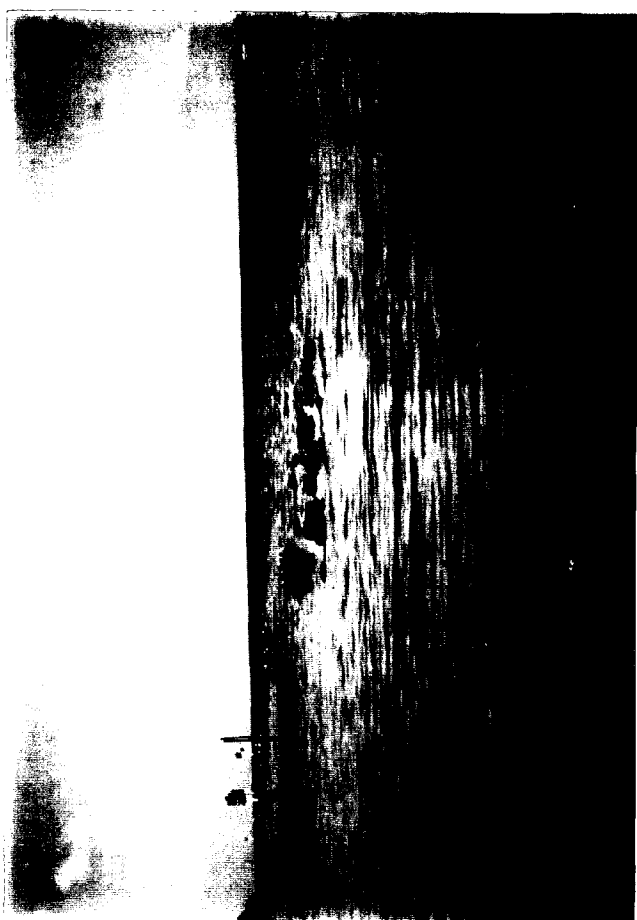
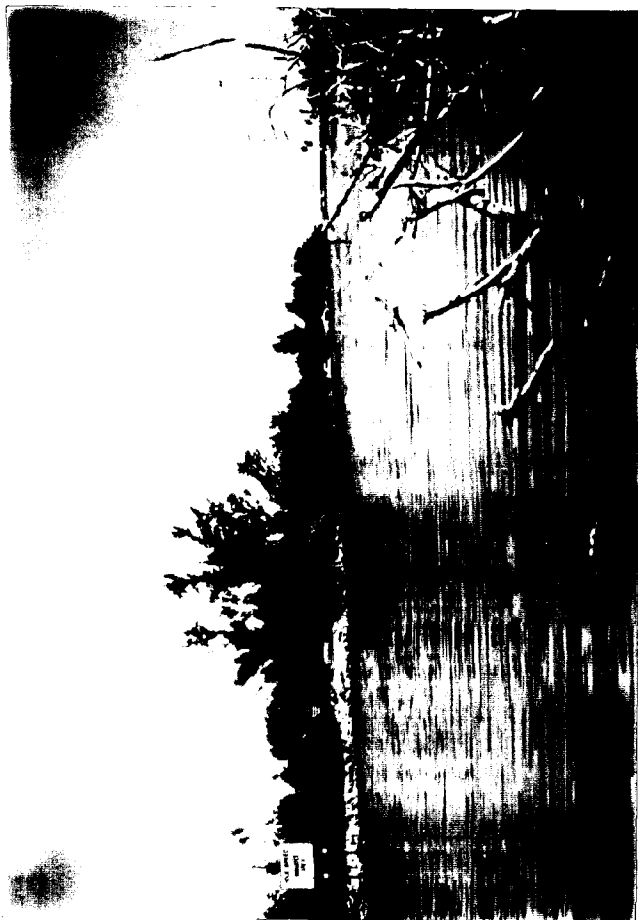
Year	Salinity (‰)	Temperature (°C)	Dates Sampled
1995	15.0	30.0	2/16/95



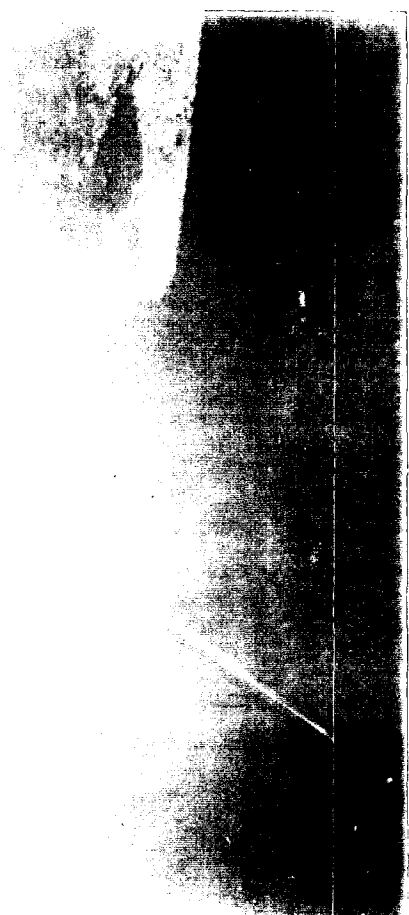
Site #88 (BBGC), Biscayne Bay Gould's Canal.




Site #88 (BBGC), Biscayne Bay Gould's Canal (from chart 11463).



Site #88 (BBGC), Biscayne Bay Gould's Canal





Appendix A

Field Station Data

NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FIELD STATION DATA - EAST COAST

Site Code	Site Name & Location	Deg. Latitude	Min. Longitude	Min. Depth	M/D/Y Collection	Method	Type	Scientist	Species	Depth (m)	Temp (°C)	Salinity	Local Time	High Water	Low Water	Local Time	Tidal Reference	Range (m)
PBPI	PICKERING ISLAND PENOBSCOT BAY	44°15.89'	68°44.02'	B	3/21/95	H	R	Jobling	<i>M. edulis</i>	0.5	3	30	1:29	20:08			L. Deer Is.	3
PBSI	SEARS ISLAND PENOBSCOT BAY	44°27.40'	68°52.99'	B	3/20/95	H	M	Jobling	<i>M. edulis</i>	0.5	3	21	0:37	6:55			Belfast	3.1
MESS	STOVER POINT MERRICONEAC SOUND	43°45.47'	69°59.96'	B	3/19/95	H	R	Jobling	<i>M. edulis</i>	0.5	6	30	0:04	6:17			Harpwell	2.7
CAPK	KENNEBUNKPORT CAPE ARUNDEL	43°20.72'	70°28.46'	B	3/18/95	H	R	Jobling	<i>M. edulis</i>	0.5	6	30	11:59	5:46			K-bunkport	2.6
CAGH	CAP HEAD CAPE ANN	42°39.46'	70°35.84'	B	3/18/95	H	R	Jobling	<i>M. edulis</i>	0.5	3	30	11:47	5:32			Rockport	2.6
SHPP	FOLGER POINT SALEM HARBOR	42°30.81'	70°50.65'	B	3/17/95	H	MR	Jobling	<i>M. edulis</i>	0.5	5	2	23:40	17:28			Salem	2.7
MNBN	NAHANT BAY MASSACHUSETTS BAY	42°25.19'	70°54.43'	B	3/17/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	32	23:37	17:25			Nahant	2.7
BHDI	DEER ISLAND BOSTON HARBOR	42°21.44'	70°53.38'	B	3/14/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	30	9:03	15:17			Deer Is.	2.8
BHDB	DORCHESTER BAY BOSTON HARBOR	42°18.13'	70°53.00'	B	3/13/95	H	R	Jobling	<i>M. edulis</i>	0.5	8	32	8:22	14:35			Neponset	2.9
BHBB	HINGHAM BAY BOSTON HARBOR	42°16.66'	70°52.70'	B	3/22/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	32	2:46	9:12			Hingham	2.9
BHBI	BREWSTER ISLAND BOSTON HARBOR	42°20.59'	70°52.70'	B	3/14/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	5	9:22	15:53			B. Light	2.7
MNBR	NORTH RIVER MASSACHUSETTS BAY	42°09.62'	70°44.55'	B	3/15/95	H	M	Jobling	<i>M. edulis</i>	0.5	5	5	9:54	16:23			N. River	2.6
DBCI	CLARKS ISLAND DUXBURY BAY	42°00.82'	70°38.19'	B	3/15/95	D	M	Jobling	<i>M. edulis</i>	5	5	33	11:03	17:41			Plymouth	2.9
CCNH	NAUSET HARBOR CAPE COD	41°47.75'	69°56.77'	B	3/16/95	H	MR	Jobling	<i>M. edulis</i>	0.5	5	33	11:40	19:43			N. Harbor	1.8
NBDI	DYER ISLAND NARRAGANSETT BAY	41°36.29'	71°18.31'	B	3/24/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	29	1:45	19:50			S. Prudence	1.2
NBDI	PATIENCE ISLAND NARRAGANSETT BAY	41°29.14'	71°21.38'	B	3/24/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	30	0:34	18:20			Greenwich	1.2
NBDU	DUTCH ISLAND NARRAGANSETT BAY	41°29.47'	71°24.01'	B	3/23/95	H	R	Jobling	<i>M. edulis</i>	0.5	5	30	0:29	18:33			Conanicut	1.2
BIBI	BLOCK ISLAND BLOCK ISLAND SOUND	41°11.82'	71°35.47'	B	3/26/95	H	R	Jobling	<i>M. edulis</i>	0.5	7	32	5:46	12:04			Block Is.	0.8
HRJB	JAMAICA BAY HUDSON RARITAN ESTUARY	40°34.00'	73°53.72'	B	12/15/94	H	MN	Adkison	<i>M. edulis</i>	0.5	6.3	28	7:31	14:13			Jamaica B.	1.5
HRUB	UPPER BAY HUDSON RARITAN ESTUARY	40°41.36'	74°02.59'	B	12/18/94	H	RE	Adkison	<i>M. edulis</i>	0.5	7.1	23	5:40	11:50			Govern. Is.	1.3
HLRL	LOWER BAY HUDSON RARITAN ESTUARY	40°33.96'	74°03.05'	B	12/15/94	H	R	Adkison	<i>M. edulis</i>	0.5	5.5	23	6:24	12:46			Coney Is.	1.4
HLRB	RARITAN BAY HUDSON RARITAN ESTUARY	40°31.14'	74°11.07'	B	12/16/94	H	RN	Adkison	<i>M. edulis</i>	0.5	5.5	23	7:38	14:16			Princes B.	1.5
NYSH	SANDY HOOK NEW YORK BIGHT	40°17.69'	73°58.72'	B	12/19/94	H	R	Adkison	<i>M. edulis</i>	0.5	7.3	32	7:48	14:18			Sandy Bay	1.4
NYSR	SHARK RIVER NEW YORK BIGHT	40°11.22'	74°00.54'	B	12/14/94	H	R	Adkison	<i>M. edulis</i>	0.5	8.4	30	4:40	22:47			L. Branch	1.3
DBCM	CAPE MAY DELAWARE BAY	38°58.93'	74°57.68'	B	12/20/94	H	R	Adkison	<i>M. edulis</i>	0.5	7	28	9:03	15:15			Shark R.	1.2
DBBD	BN DAVIS PT. SHOAL DELAWARE BAY	39°15.14'	75°18.17'	B	12/20/94	D	MN	Adkison	<i>C. virginica</i>	6	5.6	18	7:13	13:39			Cape May	1.4
DBCH	CAPE HENLOPEN DELAWARE BAY	38°47.01'	75°07.23'	B	1/10/95	H	RE	Adkison	<i>M. edulis</i>	0.5	3.7	30	3:27	21:50			Cedar Creek	1.8
CBMP	BODKIN POINT CHESAPEAKE BAY	39°09.44'	76°24.29'	B	1/20/95	D	MN	Adkison	<i>C. virginica</i>	5	8.5	8	21:21	14:53			C. Henlopen	1.2
CBHP	MOUNTAIN POINT BAR CHESAPEAKE BAY	39°04.32'	76°24.76'	B	1/17/95	D	MN	Shannon	<i>C. virginica</i>	3.5	4	-	19:26	12:43			7 Knoll L.	0.3
CBHP	HACKETT POINT BAR CHESAPEAKE BAY	38°58.17'	76°24.88'	B	1/17/95	D	MN	Shannon	<i>C. virginica</i>	2.5	5	10	18:19	11:27			Mt. Point	0.2
CBOP	CHOPTANK RIVER CHESAPEAKE BAY	38°36.44'	76°07.20'	B	1/12/95	D	MN	Adkison	<i>C. virginica</i>	4	4	24	13:43	6:38			Sandy Pt.	0.2
CBHG	HOG POINT CHESAPEAKE BAY	38°18.74'	76°23.87'	Dead	1/13/95	D	MN	Adkison	<i>C. virginica</i>	6	4.9	-	12:18	5:04			Cambridge	0.5
PRSP	SWAN POINT POTOMAC RIVER	38°16.90'	76°56.02'	Dead	1/16/95	D	MN	Shannon	<i>C. virginica</i>	4	-	-	14:01	20:49			Cedar Pt.	0.4
PRRP	RAGGED POINT POTOMAC RIVER	38°09.30'	76°36.05'	B	1/16/95	D	MN	Shannon	<i>C. virginica</i>	3.5	7	4	13:45	20:04			Colonial B.	0.5
PRMC	MATTOX CREEK POTOMAC RIVER	38°13.40'	76°57.69'	B	1/16/95	D	MN	Shannon	<i>C. virginica</i>	3	8	10	14:01	20:49			Ragged Pt.	0.5
RRRR	ROSS ROCK RAPPAHANNOCK RIVER	37°54.12'	76°47.27'	B	1/14/95	D	MN	Adkison	<i>C. virginica</i>	3	6.8	10	11:23	5:19			Colonial B.	0.5
CBCI	CHINCOTEAGUE INLET CHINTOTEAQUE BAY	37°56.31'	76°22.55'	B	1/8/95	H	NG	Adkison	<i>C. virginica</i>	0.5	3	30	1:28	20:11			Wareh Wh.	0.5
QUBB	UPSHUR BAY QUINBY INLET	37°31.50'	75°42.83'	B	1/19/95	H	NG	Shannon	<i>C. virginica</i>	0.5	8.5	32	9:06	15:34			Chinco Is.	0.5
CBCC	CAMPY POINT CHESAPEAKE BAY	37°17.07'	76°00.92'	B	1/18/95	H	MG	Shannon	<i>C. virginica</i>	0.5	5.3	22	2:57	21:33			Quinby In.	1.2
CBCC	DANBY POINT CHESAPEAKE BAY	37°03.92'	76°37.93'	B	1/18/95	D	MN	Shannon	<i>C. virginica</i>	0.5	8.5	21	9:26	16:13			C. Charles	0.7
CBJR	JAMES RIVER CHESAPEAKE BAY	35°53.39'	75°38.02'	B	1/21/95	D	MN	Adkison	<i>C. virginica</i>	3.5	8	8	11:16	17:57			Back R.	0.7
RSJC	JOHN CREEK ROANOKE SOUND	35°21.18'	75°42.96'	B	1/21/95	H	MN	Adkison	<i>C. virginica</i>	0.5	10	29	10:18	16:36			Burwell B.	0.7
PSCH	CAPE HATTERAS PAMlico SOUND	35°24.74'	76°02.38'	B	1/22/95	D	MN	Adkison	<i>C. virginica</i>	3	7.7	22	-	-			Pamlico S.	0.6
PSWB	WYCKOCKING BAY PAMlico SOUND	35°24.74'	76°02.38'	B	1/22/95	D	MN	Adkison	<i>C. virginica</i>	2	7.6	11	-	-			Pamlico S.	0.1
PSPR	PUNGO RIVER PAMlico SOUND	35°05.34'	76°31.32'	B	1/23/95	D	MN	Adkison	<i>C. virginica</i>	5	8.5	21	-	-			Pamlico S.	0.1
PSNR	NEUSE RIVER PAMlico SOUND	33°54.95'	78°00.21'	B	1/24/95	H	MN	Shannon	<i>C. virginica</i>	0.5	8.5	10	1:23	20:07			Southport	1.2

BOTTOM: S=SHOULDER, M=MUD, E=CONCRETE, N=SAND, G=GRASS, H=HATCH, C=CLAY, R=ROCK, B=RUBBLE, COLLECTION METHOD: H=HAND, T=TONGS, D=DREDGE, R=RACE, SAMPLE TYPE: B=BIVALVE, S=SEDIMENT

NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FIELD STATION DATA - EAST COAST

Site Code	Site Name & Location	Deg. Lat	Min. Lat	Deg. Long	Min. Long	M/D/Y	Collector	Bottom Type	Method	Species	Depth (m)	Temp (°C)	Salinity	Local Time High Water	Local Time Low Water	Tidal Reference	Tidal Range (m)	
SRNB	NORTH BAY Santee River	33°10.37'		79°14.56'		B	1/24/95	D	MNS	Shannon	<i>C. virginica</i>	2	8.6	1	1:13	20:09	Cedar Is.	1.3
SRTI	TYBEE ISLAND SAVANNAH RIVER ESTUARY	32°00.99'		80°57.97'		B	2/20/95	H	MN	Shannon	<i>C. virginica</i>	0.2	15	18	10:03	4:03	Beach H.	2.1
SSSI	SAPELO ISLAND SAPELO SOUND	31°23.57'		81°17.28'		B	2/21/95	H	MN	Shannon	<i>C. virginica</i>	0.2	13	27	11:02	17:26	Old Tower	2.1
ARWI	WOLFE ISLAND ALTAMAHA RIVER	31°19.45'		81°18.65'		B	2/21/95	H	SH	Shannon	<i>C. virginica</i>	0.2	13	1	11:15	17:58	Wolfe Is.	2
SJCB	CHICOPIT BAY ST. JOHNS RIVER	30°22.86'		81°26.40'		B	2/18/95	H	MN	Shannon	<i>C. virginica</i>	0.5	14	30	10:00	3:12	Pablo Creek	1.2
MRCB	CRESCENT BEACH MATANZAS RIVER	29°45.84'		81°15.71'		B	2/18/95	H	MN	Shannon	<i>C. virginica</i>	0.2	19	35	16:06	10:15	Palmetto	0.3
IRSR	SEBASTIAN RIVER INDIAN RIVER	27°49.77'		80°28.46'		B	2/17/95	H	MN	Shannon	<i>C. virginica</i>	0.2	27	14	8:02	1:47	Sebastian	0.7
NMML	MAULE LAKE NORTH MIAMI	25°56.26'		80°08.98'		B	2/17/95	H	MN	Shannon	<i>C. virginica</i>	0.1	26	8	10:48	4:35	Sunny Isle	0.5
BBGC	GOULD'S CANAL BISCAYNE BAY	25°32.00'		80°19.39'		B	2/16/95	H	MN	Shannon	<i>C. virginica</i>	0.2	30	15	9:14	3:28	Cutler	0.6

BOTTOM: S=SHALL, M=MUD, F=CONCRETE, N=SAND, G=GRASS, H=HASH, C=CLAY, R=ROCK, B=RUDDLE, COLLECTION METHOD: H=HAND, T=TONS, D=DREDGE, R=RAKE, SAMPLE TYPE: B=BIVALVE, S=SEDIMENT

Appendix B

Final Positions

NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FINAL POSITIONS - EAST COAST

GERG	Site				NOS	Deg. Min	Deg. Min
#	Code	Site Name	Site Location	State	Chart #	Latitude	Longitude
1	PBPI	Pickering Island	Penobscot Bay	ME	13305	44°15.89'	68°44.02'
2	PBSI	Sears Island	Penobscot Bay	ME	13309	44°27.40'	68°52.99'
3	MSSP	Stover Point	Merriconeag Sound	ME	13290	43°45.47'	69°59.86'
4	CAKP	Kennebunkport	Cape Arundel	ME	13286	43°20.72'	70°28.46'
5	CAGH	Gap Head	Cape Ann	MA	13279	42°39.46'	70°35.84'
6	SHFP	Folger Point	Salem Harbor	MA	13276	42°30.81'	70°50.65'
7	MBNB	Nahant Bay	Salem Harbor	MA	13272	42°25.19'	70°54.43'
8	BHDI	Deer Island	Boston Harbor	MA	13272	42°21.44'	70°58.38'
9	BHDB	Dorchester Bay	Boston Harbor	MA	13270	42°18.13'	70°02.18'
10	BHHB	Hingham Bay	Boston Harbor	MA	13270	42°16.56'	70°53.00'
11	BHBI	Brewster Island	Boston Harbor	MA	13270	42°20.59'	70°52.70'
12	MBNR	North River	Massachusetts Bay	MA	13269	42°09.62'	70°44.55'
13	DBCI	Clarks Island	Duxbury Bay	MA	13253	42°00.82'	70°38.19'
14	CCNH	Nauset Harbor	Cape Cod	MA	13246	41°47.75'	69°56.77'
21	NBDI	Dyer Island	Narragansett Bay	RI	13223	41°36.29'	71°18.31'
22	NBPI	Patience Island	Narragansett Bay	RI	13224	41°39.14'	71°21.38'
23	NBDU	Dutch Island	Narragansett Bay	RI	13223	41°29.47'	71°24.01'
24	BIBI	Block Island	Block Island	RI	13217	41°11.82'	71°35.47'
38	HRJB	Jamaica Bay	Hud./Rar. Estuary	NY	12350	40°34.00'	73°53.72'
39	HRUB	Upper Bay	Hud./Rar. Estuary	NY	12334	40°41.36'	74°02.59'
40	HRLB	Lower Bay	Hud./Rar. Estuary	NY	12402	40°33.96'	74°03.05'
41	HRRB	Raritan Bay	Hud./Rar. Estuary	NJ	12331	40°31.14'	74°11.07'
42	NYSH	Sandy Hook	New York. Bight	NJ	12401	40°29.25'	74°02.00'
43	NYLB	Long Branch	New York. Bight	NJ	12324	40°17.69'	73°58.72'
44	NYSR	Shark River	New York. Bight	NJ	12324	40°11.22'	74°00.54'
47	DBCM	Cape May	Delaware Bay	NJ	12214	38°58.93'	74°57.68'
49	DBBD	Ben Davis Pt. Shoal	Delaware Bay	NJ	12304	39°15.14'	75°18.17'
54	DBCH	Cape Henlopen	Delaware Bay	MD	12216	38°47.01'	75°07.23'
55	CBBO	Bodkin Point	Chesapeake Bay	MD	12278	39°09.44'	76°24.29'
56	CBMP	Mountain Point	Chesapeake Bay	MD	12278	39°04.32'	76°24.76'
57	CBHP	Hackett Point	Chesapeake Bay	MD	12282	38°58.17'	76°24.88'
58	CBCP	Choptank River	Chesapeake Bay	MD	12266	38°36.44'	76°07.20'
59	CBHG	Hog Point	Chesapeake Bay	MD	12264	38°18.74'	76°23.87'
60	PRRP	Ragged Point	Potomac River	VA	12286	38°09.30'	76°36.05'
61	PRSP	Swan Point	Potomac River	MD	12286	38°16.90'	76°56.02'
62	PRMC	Mattox Creek	Potomac River	VA	12286	38°13.40'	76°57.69'
64	RRRR	Ross Rock	Rappahannock	VA	12237	37°54.12'	76°47.27'
65	CBCI	Chincoteague Inlet	Chincoteague Bay	VA	12211	37°56.31'	76°22.55'
66	QIUB	Upshur Bay	Quinby Inlet	VA	12210	37°31.50'	75°42.83'
67	CBCC	Cape Charles	Chesapeake Bay	VA	12224	37°17.07'	76°00.92'

NOAA NS&T MUSSEL WATCH PROJECT - 1995 - FINAL POSITIONS - EAST COAST

GERG	Site				NOS	Deg. Min	Deg. Min
#	Code	Site Name	Site Location	State	Chart #	Latitude	Longitude
68	CBDP	Dandy Point	Chesapeake Bay	VA	12222	37°05.90'	76°17.69'
69	CBJR	James River	Chesapeake Bay	VA	12248	37°03.92'	76°37.93'
70	RSJC	John Creek	Roanoke Sound	VA	12204	35°53.39'	75°38.02'
71	PSCH	Cape Hatteras	Pamlico Sound	NC	11555	35°12.18'	75°42.96'
72	PSWB	Wysoching Bay	Pamlico Sound	NC	11548	35°24.74'	76°02.38'
73	PSPR	Pungo River	Pamlico Sound	NC	11553	35°17.76'	76°29.35'
74	PSNR	Neuse River	Pamlico Sound	NC	11553	35°05.34'	76°31.32'
76	CFBI	Battery Island	Cape Fear	NC	11537	33°54.95'	78°00.21'
78	SRNB	North Bay	Santee River	SC	11532	33°10.37'	79°14.56'
81	SRTI	Tybee Island	Savannah River	GA	11512	32°00.99'	80°57.97'
82	SSSI	Sapelo Island	Sapelo Sound	GA	11510	31°23.57'	81°17.28'
83	ARWI	Wolfe Island	Altamaha River	GA	11508	31°19.45'	81°18.65'
84	SJCB	Chicopit Bay	St. Johns River	FL	11491	30°22.86'	81°26.40'
85	MRCB	Crescent Beach	Matanzas River	FL	11485	29°45.84'	81°15.71'
86	IRSR	Sebastian River	Indian River	FL	11472	27°49.77'	80°28.46'
87	NMML	Maule Lake	North Miami	FL	11467	25°56.26'	80°08.98'
88	BBGC	Gould's Canal	Biscayne Bay	FL	11463	25°32.00'	80°19.39'

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